

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
 Data File : VN070155.D
 Acq On : 17 Dec 2021 10:58
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/18/2021
 Supervised By : Mahesh Dadoda 12/23/2021

Quant Time: Dec 18 05:28:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Dec 14 00:59:04 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	7.659	128	189358	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	1095820	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.744	117	988661	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.437	65	519530	30.959	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.200%			
60) 4-Bromofluorobenzene	12.731	95	483490	29.720	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.067%			
63) Toluene-d8	10.441	98	1388752	30.397	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.333%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.073	85	270399	19.677	ug/l	97
3) Chloromethane	2.303	50	313856	19.940	ug/l	93
4) Vinyl Chloride	2.446	62	279258	18.855	ug/l	99
5) Bromomethane	2.864	94	162161	20.030	ug/l	94
6) Chloroethane	3.022	64	162989	19.167	ug/l	99
7) Trichlorofluoromethane	3.374	101	350243	18.114	ug/l	99
8) Diethyl Ether	3.821	74	148606	19.370	ug/l	76
9) 1,1,2-Trichlorotrifluo...	4.202	101	219784	19.352	ug/l #	70
10) 1,1-Dichloroethene	4.178	96	202184	18.716	ug/l	88
11) Methyl Iodide	4.417	142	272119	18.002	ug/l	95
12) Methyl Acetate	4.857	43	579212m	21.767	ug/l	
13) Acrolein	4.039	56	216145	100.350	ug/l	98
14) Acrylonitrile	5.557	53	793375	103.262	ug/l	99
15) Acetone	4.291	58	322391	115.639	ug/l	75
16) Carbon Disulfide	4.527	76	518808	15.939	ug/l	97
17) Allyl chloride	4.838	41	461258	18.986	ug/l	85
18) Methylene Chloride	5.095	84	248927	19.116	ug/l #	83
19) trans-1,2-Dichloroethene	5.594	96	218695	19.060	ug/l #	83
20) Diisopropyl ether	6.498	45	933392	20.060	ug/l #	94
21) 1,1-Dichloroethane	6.388	63	470258	19.172	ug/l	98
22) cis-1,2-Dichloroethene	7.324	96	259090	19.078	ug/l	89
23) tert-Butyl Alcohol	5.388	59	278360	114.611	ug/l #	100
24) Methyl tert-Butyl Ether	5.621	73	797719	20.795	ug/l	96
25) Chloroform	7.818	83	461164	18.923	ug/l	100
26) Cyclohexane	8.094	56	449492	19.797	ug/l #	80
29) 1,1-Dichloropropene	8.220	75	343328	18.196	ug/l	95
30) 2-Butanone	7.340	43	1399934	107.840	ug/l #	90
31) 2,2-Dichloropropane	7.327	77	368631	18.683	ug/l	96
32) 1,1,1-Trichloroethane	8.013	97	378730	17.331	ug/l	94
33) Carbon Tetrachloride	8.206	117	312385	16.082	ug/l	99
34) Benzene	8.461	78	1028054	18.430	ug/l #	94
35) Methacrylonitrile	7.641	41	231682	19.294	ug/l	89
36) 1,2-Dichloroethane	8.531	62	405041	18.394	ug/l	98
37) Trichloroethene	9.218	130	235246	17.731	ug/l	92
38) Methylcyclohexane	9.462	83	412055	18.372	ug/l	87
39) 1,2-Dichloropropane	9.491	63	275428	18.520	ug/l	100
40) Dibromomethane	9.580	93	174087	17.746	ug/l	96
41) Bromodichloromethane	9.762	83	333410	16.073	ug/l	94
42) Vinyl Acetate	6.436	43	3685261	96.640	ug/l #	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.415	43	459263	20.368	ug/l	96
44) Isopropyl Acetate	8.563	43	713623	19.662	ug/l	95
45) 1,4-Dioxane	9.572	88	117946	459.221	ug/l #	84
46) Methyl methacrylate	9.561	41	331812	19.303	ug/l	80
47) n-amyl Acetate	12.388	43	481390	19.019	ug/l	99
48) t-1,3-Dichloropropene	10.719	75	350679	16.808	ug/l	100
49) cis-1,3-Dichloropropene	10.188	75	389425	17.199	ug/l	95
50) 1,1,2-Trichloroethane	10.899	97	246806	18.509	ug/l	97
51) Ethyl methacrylate	10.762	69	408391	19.163	ug/l	88
52) 1,3-Dichloropropane	11.044	76	433679	18.369	ug/l	100
53) Dibromochloromethane	11.240	129	225687	15.067	ug/l	99
54) 1,2-Dibromoethane	11.347	107	249965	18.399	ug/l	97
55) 2-Chloroethyl vinyl ether	10.044	63	537056	128.547	ug/l	96
56) Bromoform	12.460	173	155720	13.655	ug/l #	99
58) 4-Methyl-2-Pentanone	10.331	43	2367936	104.352	ug/l	95
59) 2-Hexanone	11.087	43	1857696	110.736	ug/l	95
61) Tetrachloroethene	10.977	164	216249	18.728	ug/l	92
62) Toluene	10.505	91	1095803	18.846	ug/l	99
64) Chlorobenzene	11.771	112	636317	18.440	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.841	131	221902	17.073	ug/l	99
66) Ethyl Benzene	11.846	91	1207703	18.683	ug/l	99
67) m/p-Xylenes	11.953	106	881384	37.321	ug/l	93
68) o-Xylene	12.280	106	438894	18.783	ug/l	94
69) Styrene	12.294	104	692656	18.187	ug/l	97
70) Isopropylbenzene	12.581	105	1158973	18.904	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.827	83	388211	19.307	ug/l	98
72) 1,2,3-Trichloropropane	12.881	75	380516m	20.336	ug/l	
73) Bromobenzene	12.862	156	259366	18.229	ug/l	90
74) n-propylbenzene	12.921	91	1300535	18.301	ug/l	98
75) 2-Chlorotoluene	13.007	91	806913	18.557	ug/l	96
76) 1,3,5-Trimethylbenzene	13.061	105	930827	18.480	ug/l	100
77) t-1,4-Dichloro-2-butene	12.626	75	92952	15.798	ug/l	83
78) 4-Chlorotoluene	13.106	91	759421	18.212	ug/l	94
79) tert-butylbenzene	13.324	119	811305	18.559	ug/l	98
80) 1,2,4-Trimethylbenzene	13.369	105	906554m	18.612	ug/l	
81) sec-Butylbenzene	13.503	105	1111621	18.224	ug/l	99
82) p-Isopropyltoluene	13.616	119	893407	18.384	ug/l	99
83) 1,3-Dichlorobenzene	13.616	146	439917	18.282	ug/l	99
84) 1,4-Dichlorobenzene	13.696	146	418055	18.061	ug/l	98
85) n-Butylbenzene	13.943	91	702449	17.301	ug/l	98
86) Hexachloroethane	14.211	117	136292	14.058	ug/l	85
87) 1,2-Dichlorobenzene	13.989	146	434837	18.810	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.603	75	69411	18.046	ug/l	93
89) 1,2,4-Trichlorobenzene	15.265	180	206480	19.199	ug/l	97
90) Hexachlorobutadiene	15.370	225	121783	19.026	ug/l	99
91) Naphthalene	15.507	128	599373	23.107	ug/l	99
92) 1,2,3-Trichlorobenzene	15.700	180	207752	20.446	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

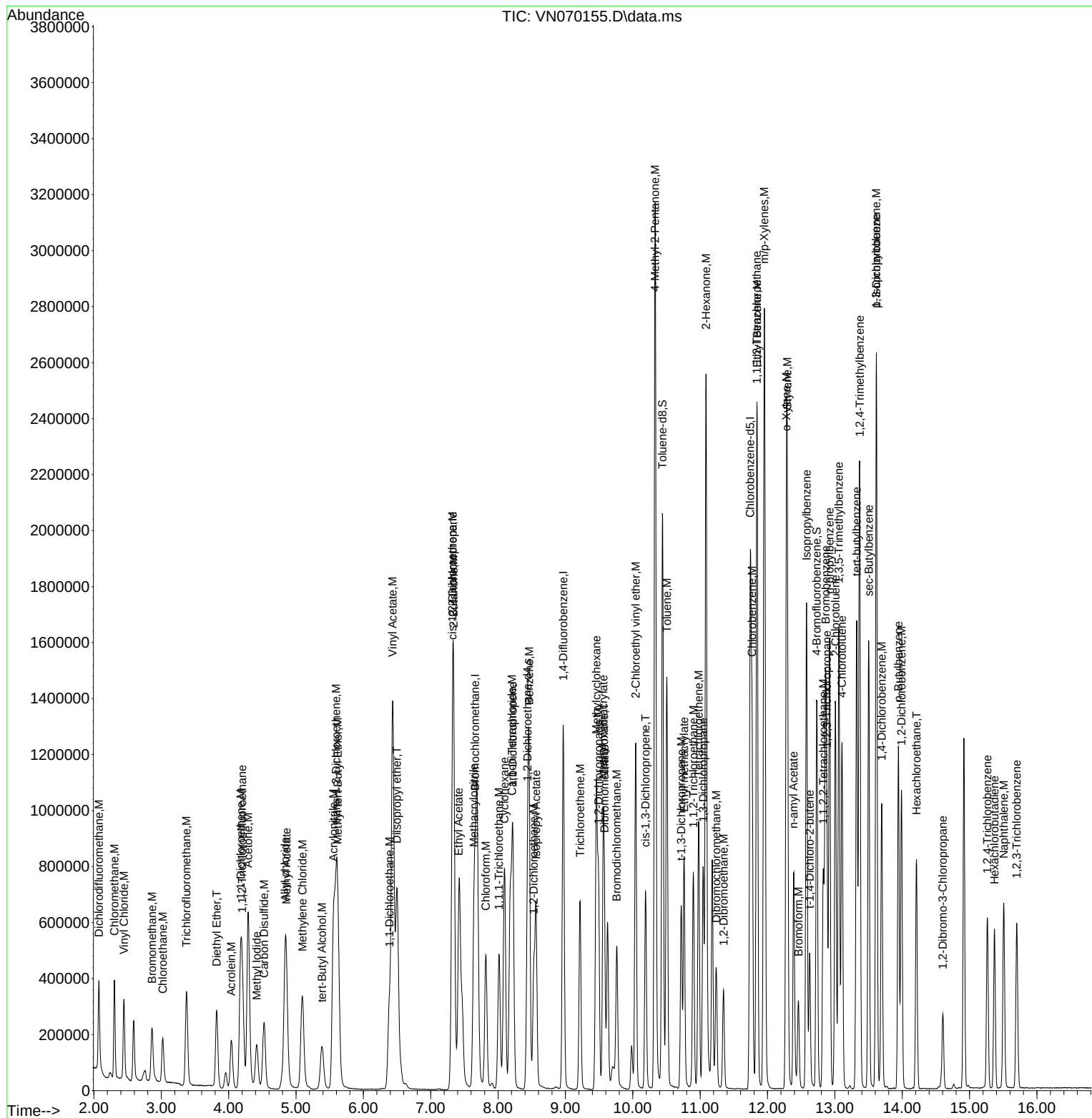
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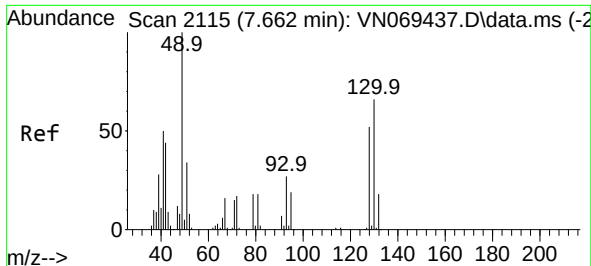
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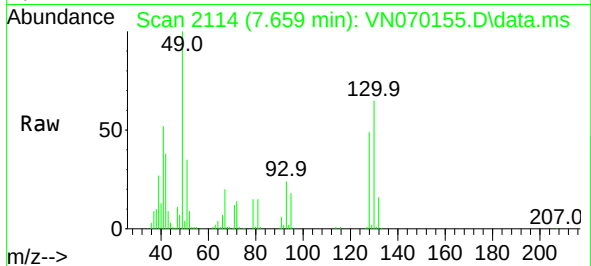
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#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.659 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

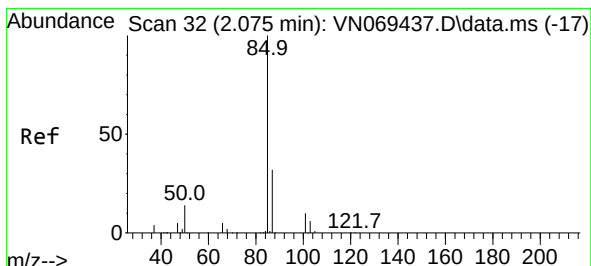
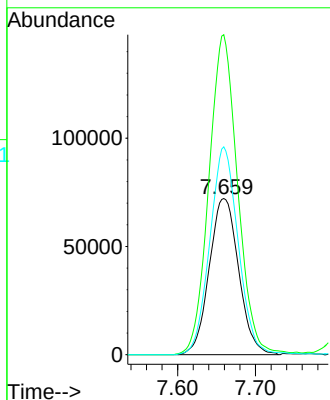
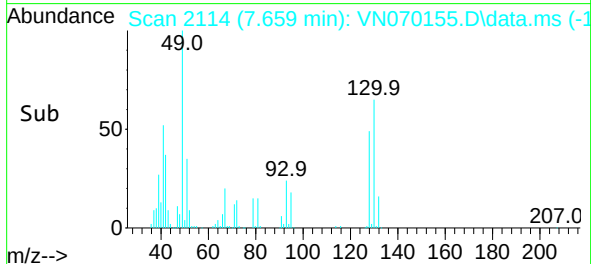
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:128 Resp: 189358
Ion Ratio Lower Upper
128 100
49 199.8 0.0 392.3
130 128.8 0.0 320.2

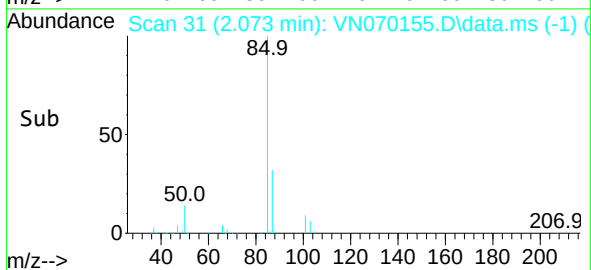
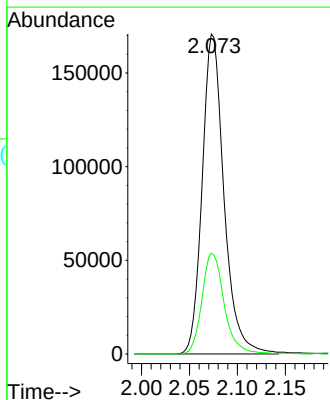
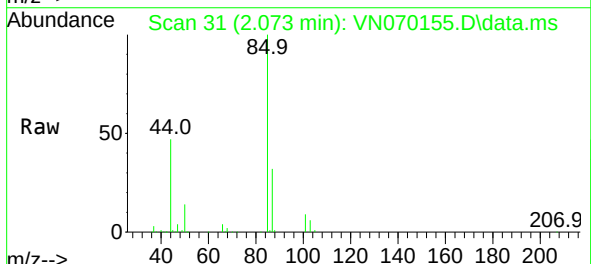
Manual Integrations
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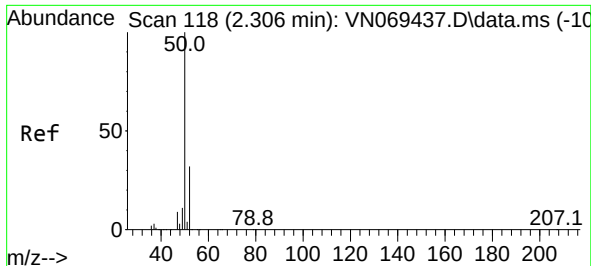
Reviewed By :John Carlone 12/18/2021
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#2
Dichlorodifluoromethane
Concen: 19.677 ug/l
RT: 2.073 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

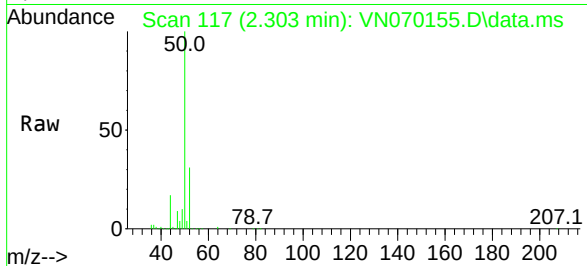
Tgt Ion: 85 Resp: 270399
Ion Ratio Lower Upper
85 100
87 31.5 16.6 49.7





#3
Chloromethane
Concen: 19.940 ug/l
RT: 2.303 min Scan# 118
Delta R.T. 0.000 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

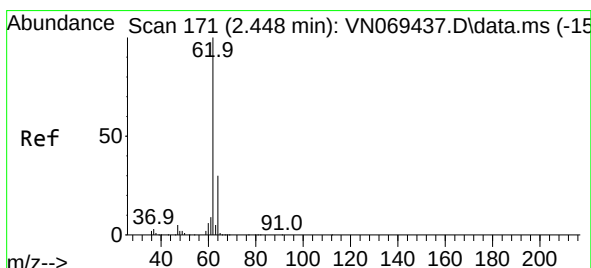
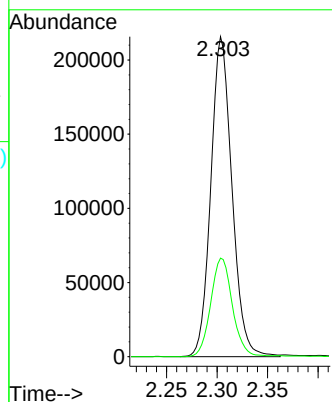
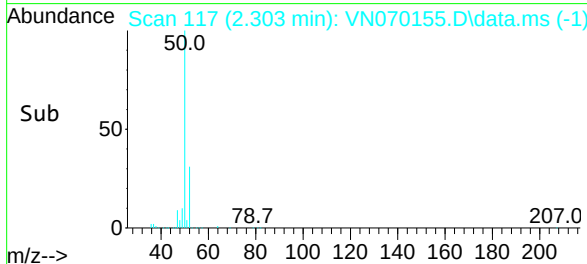
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Tgt Ion: 50 Resp: 313850
Ion Ratio Lower Upper
50 100
52 30.8 27.8 41.6

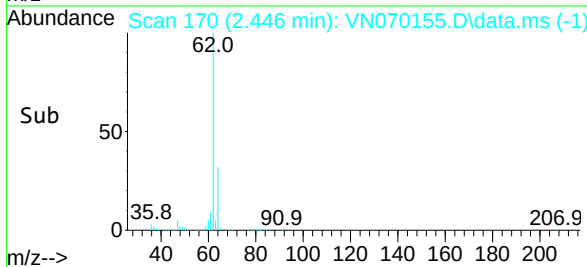
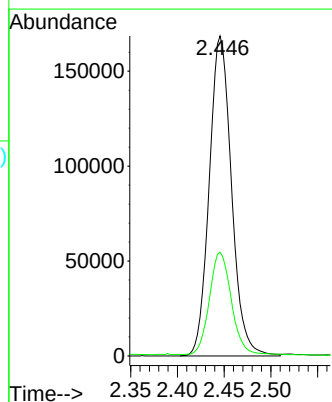
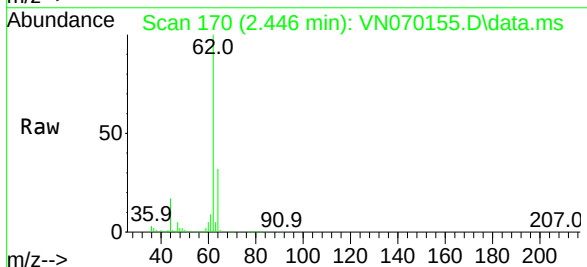
Manual Integrations
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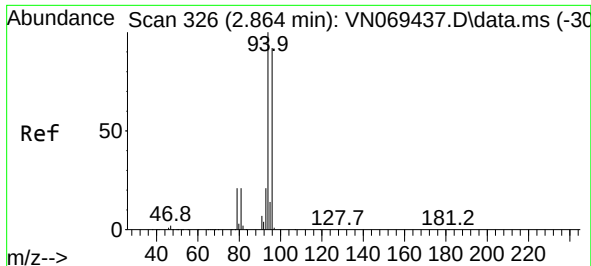
Reviewed By :John Carlone 12/18/2021
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#4
Vinyl Chloride
Concen: 18.855 ug/l
RT: 2.446 min Scan# 170
Delta R.T. -0.003 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

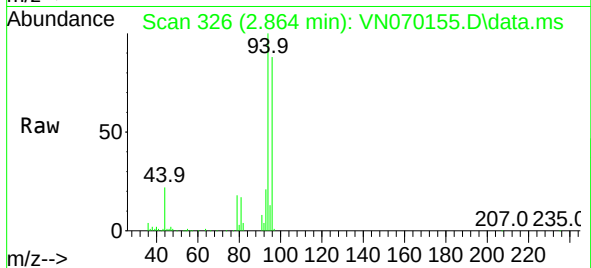
Tgt Ion: 62 Resp: 279258
Ion Ratio Lower Upper
62 100
64 31.9 25.1 37.7





#5
Bromomethane
Concen: 20.030 ug/l
RT: 2.864 min Scan# 31
Delta R.T. 0.008 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

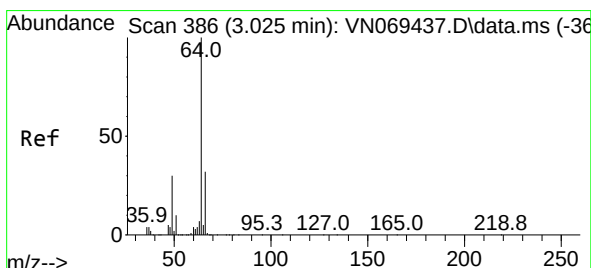
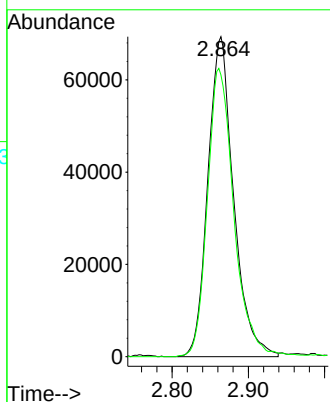
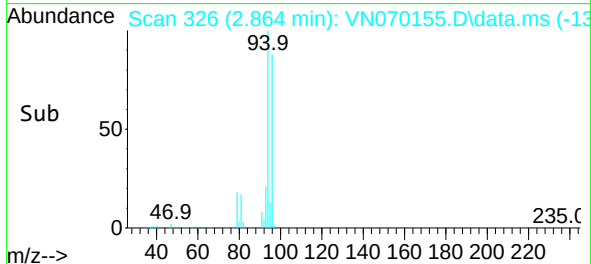
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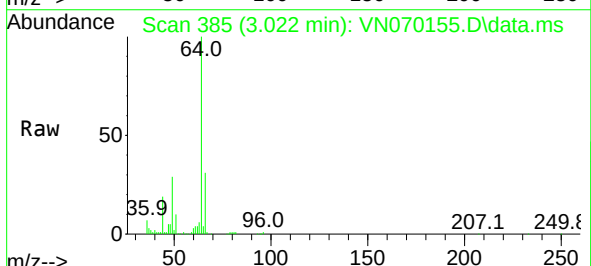
Tgt Ion: 94 Resp: 16216
Ion Ratio Lower Upper
94 100
96 87.8 75.2 112.8

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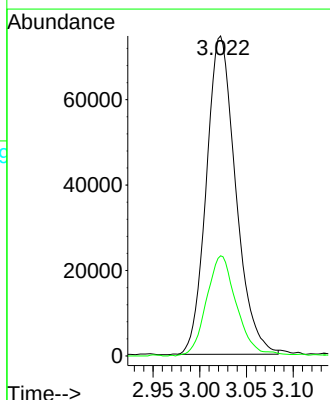
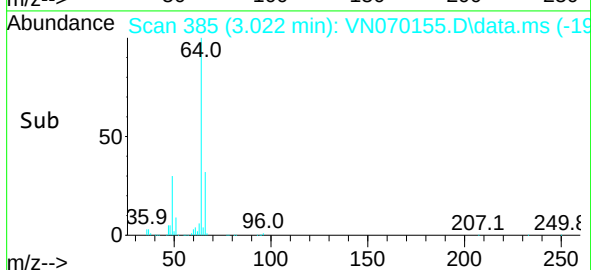
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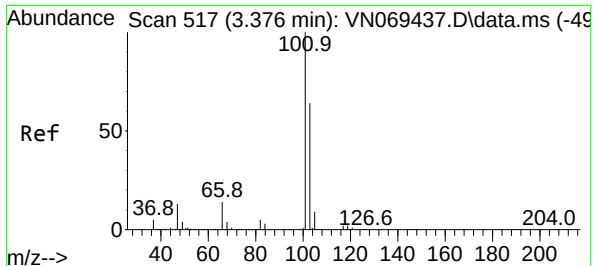


#6
Chloroethane
Concen: 19.167 ug/l
RT: 3.022 min Scan# 385
Delta R.T. 0.000 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58



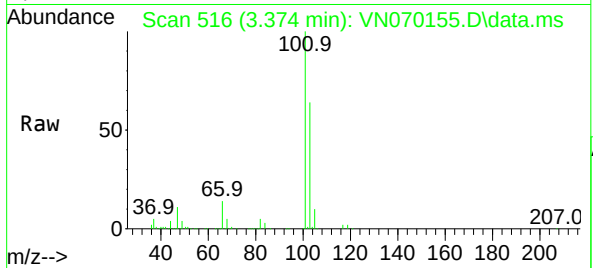
Tgt Ion: 64 Resp: 162989
Ion Ratio Lower Upper
64 100
66 31.2 24.6 36.8





#7
Trichlorofluoromethane
Concen: 18.114 ug/l
RT: 3.374 min Scan# 517
Delta R.T. -0.005 min
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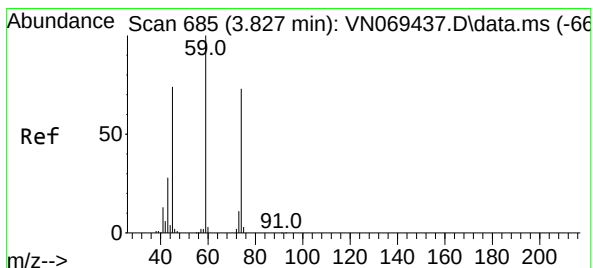
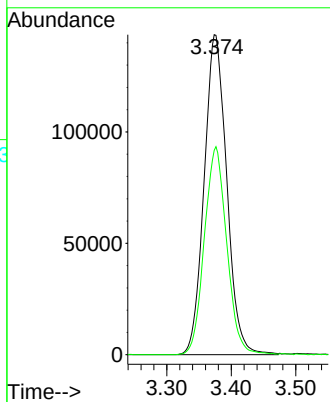
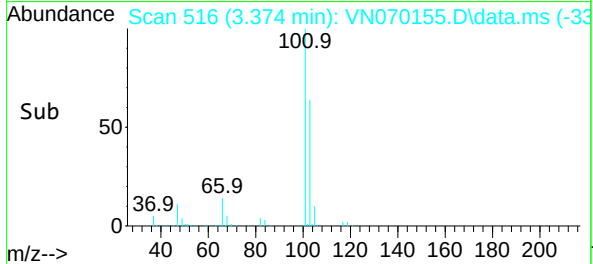
Instrument :
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Tgt Ion:101 Resp: 35024
Ion Ratio Lower Upper
101 100
103 63.8 50.1 75.1

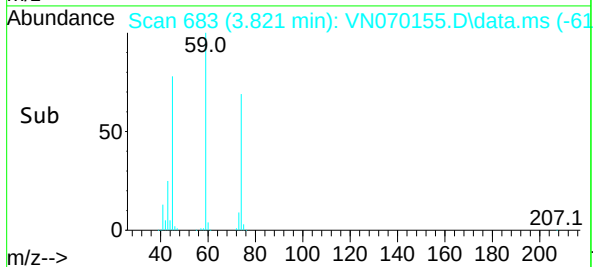
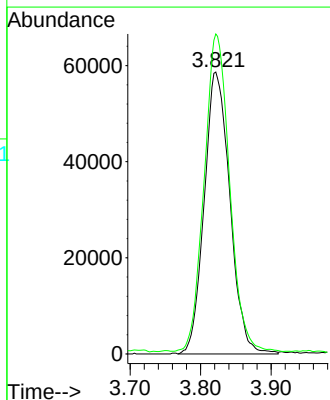
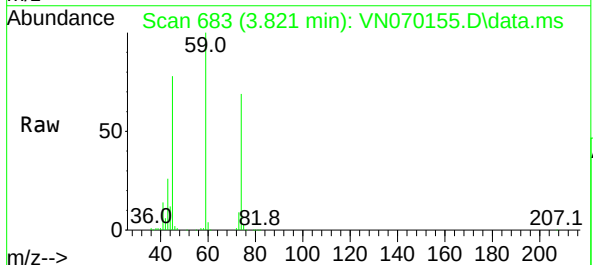
Manual Integrations
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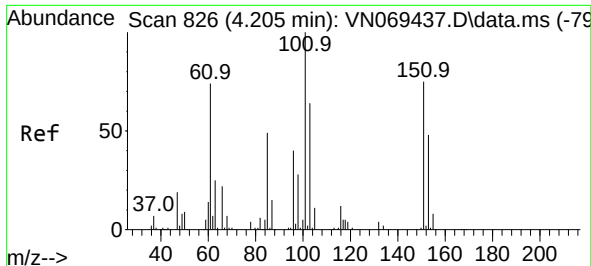
Reviewed By :John Carlone 12/18/2021
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#8
Diethyl Ether
Concen: 19.370 ug/l
RT: 3.821 min Scan# 683
Delta R.T. -0.005 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

Tgt Ion: 74 Resp: 148606
Ion Ratio Lower Upper
74 100
45 110.6 17.6 158.8





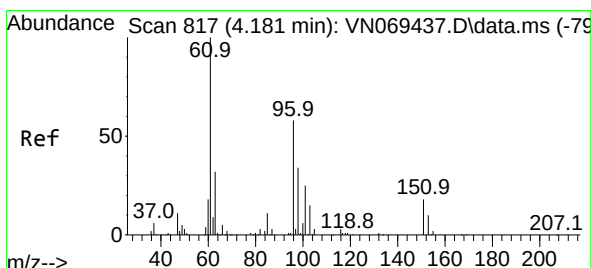
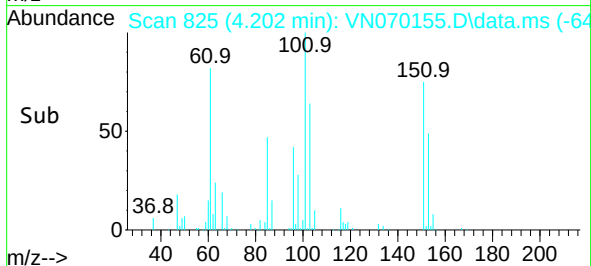
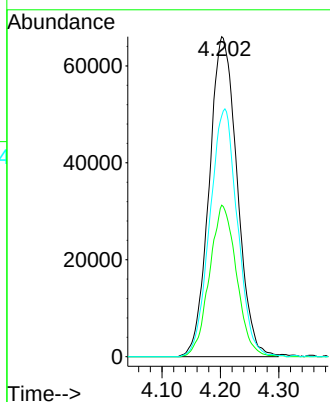
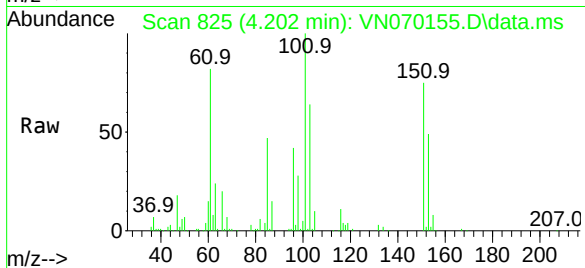
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 1,1,2-Trichlorotrifluoroethane
 Concen: 19.352 ug/l
 RT: 4.202 min Scan# 81
 Delta R.T. -0.008 min
 Lab File: VN070155.D
 Acq: 17 Dec 2021 10:58

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Tgt Ion:101 Resp: 219784
 Ion Ratio Lower Upper
 101 100
 85 45.7 0.0 94.0
 151 76.2 0.0 74.6

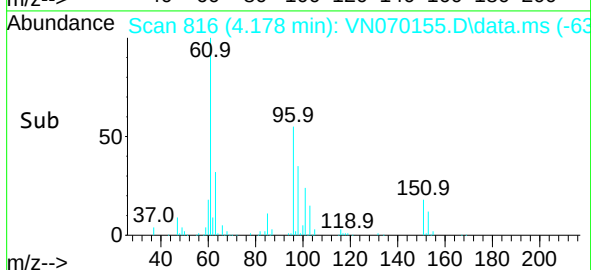
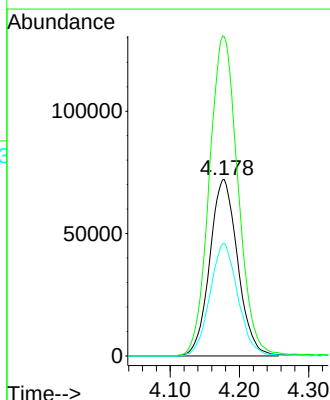
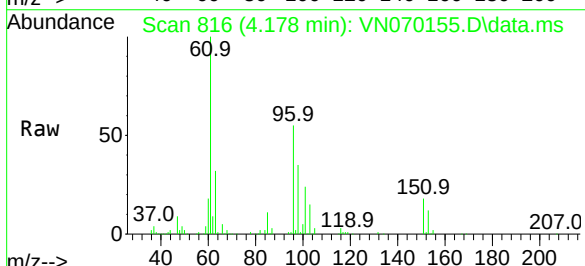
Manual Integrations
 APPROVED

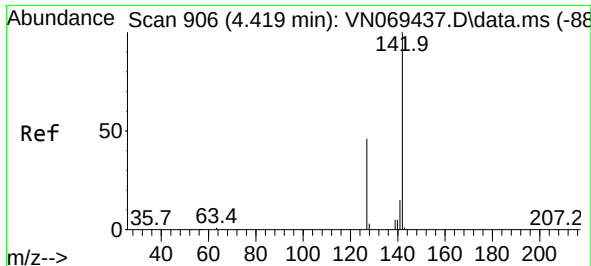
Reviewed By :John Carlone 12/18/2021
 Supervised By :Mahesh Dadoda 12/23/2021



#10
 1,1-Dichloroethene
 Concen: 18.716 ug/l
 RT: 4.178 min Scan# 816
 Delta R.T. -0.005 min
 Lab File: VN070155.D
 Acq: 17 Dec 2021 10:58

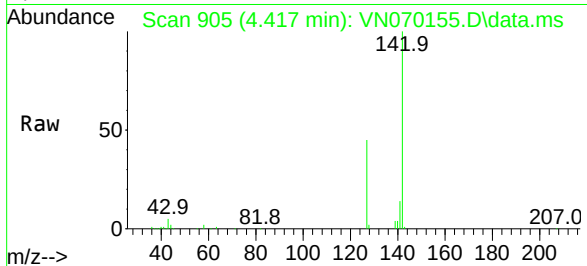
Tgt Ion: 96 Resp: 202184
 Ion Ratio Lower Upper
 96 100
 61 180.5 126.2 189.4
 98 63.8 50.9 76.3





#11
Methyl Iodide
Concen: 18.002 ug/l
RT: 4.417 min Scan# 906
Delta R.T. -0.005 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

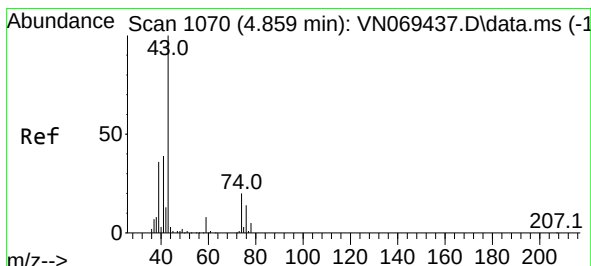
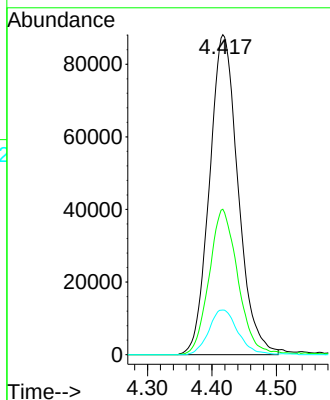
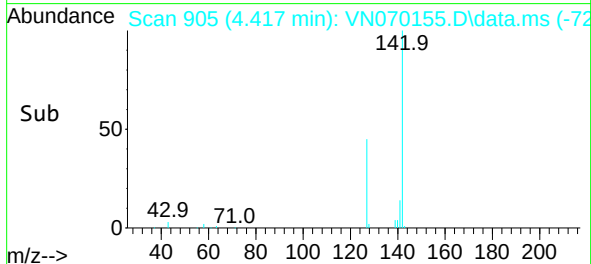
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:142 Resp: 272119
Ion Ratio Lower Upper
142 100
127 45.3 24.0 72.0
141 14.0 8.4 25.2

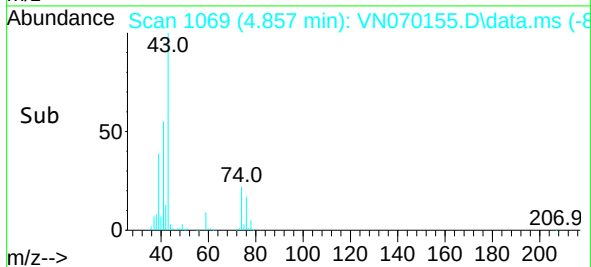
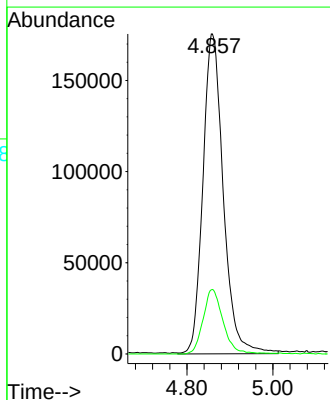
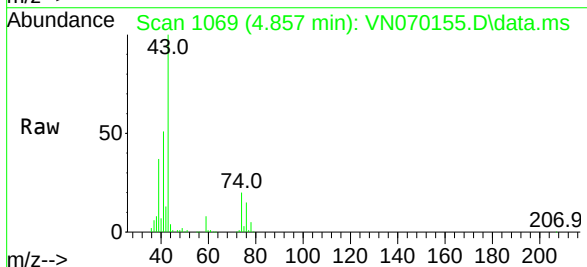
Manual Integrations
APPROVED

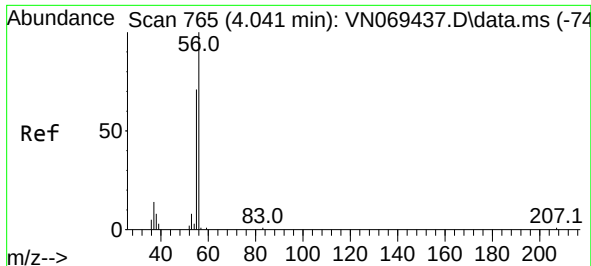
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#12
Methyl Acetate
Concen: 21.767 ug/l m
RT: 4.857 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

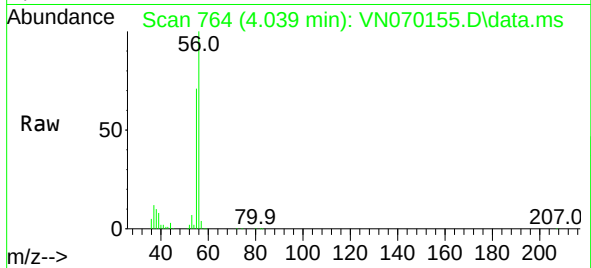
Tgt Ion: 43 Resp: 579212
Ion Ratio Lower Upper
43 100
74 20.0 20.8 31.2#





#13
Acrolein
Concen: 100.350 ug/l
RT: 4.039 min Scan# 764
Delta R.T. -0.003 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

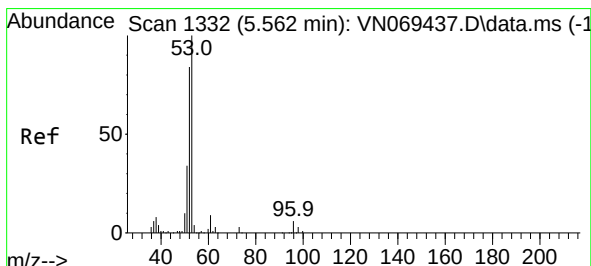
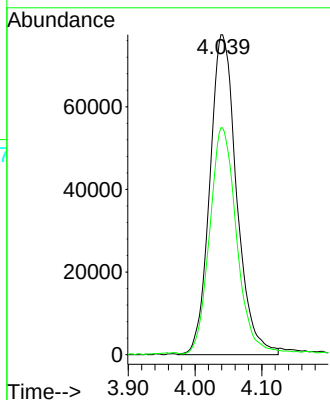
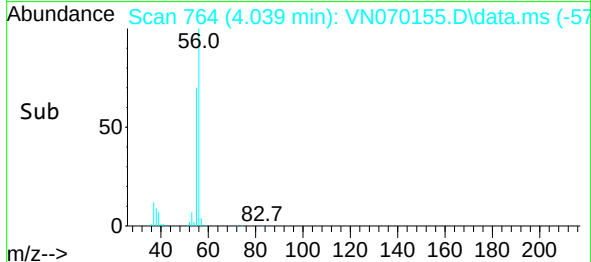
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 56 Resp: 216145
Ion Ratio Lower Upper
56 100
55 70.7 57.6 86.4

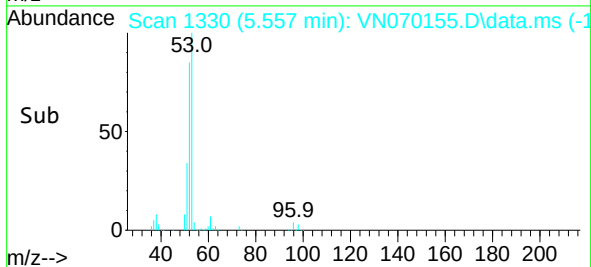
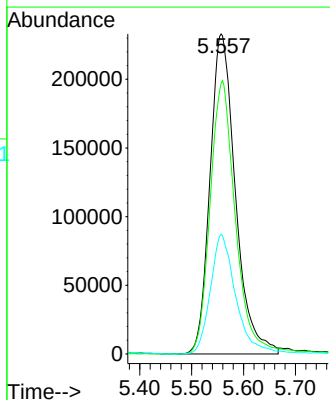
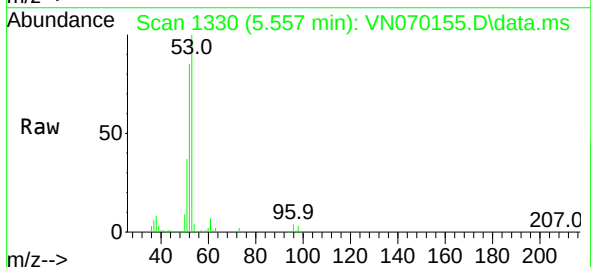
Manual Integrations
APPROVED

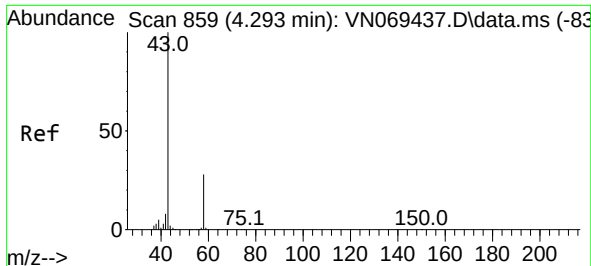
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#14
Acrylonitrile
Concen: 103.262 ug/l
RT: 5.557 min Scan# 1330
Delta R.T. 0.000 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

Tgt Ion: 53 Resp: 793375
Ion Ratio Lower Upper
53 100
52 84.0 41.8 125.4
51 36.9 19.0 57.0





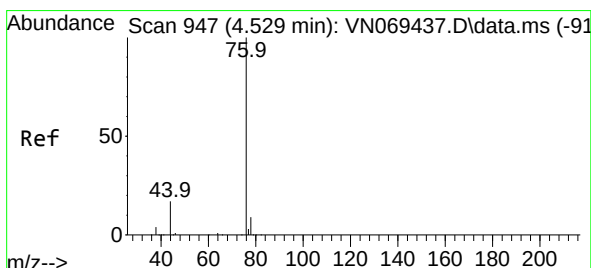
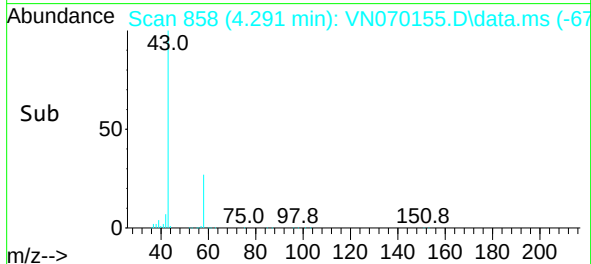
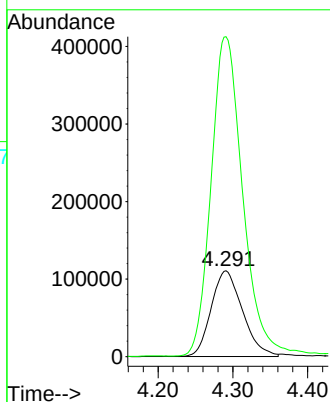
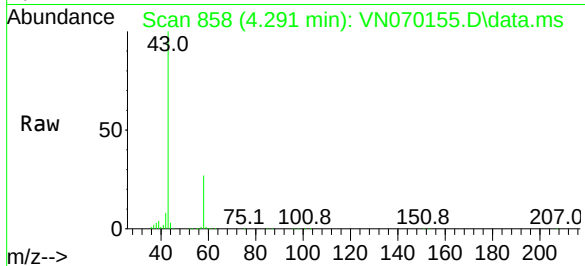
#15
Acetone
Concen: 115.639 ug/l
RT: 4.291 min Scan# 859
Delta R.T. 0.005 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 58 Resp: 32239
Ion Ratio Lower Upper
58 100
43 372.2 256.6 384.8

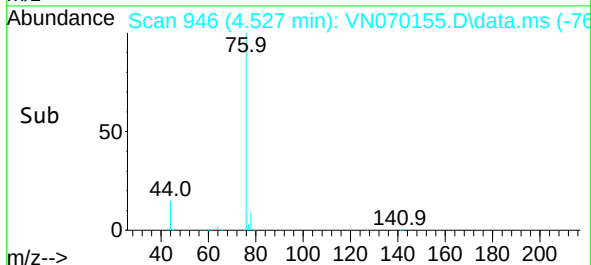
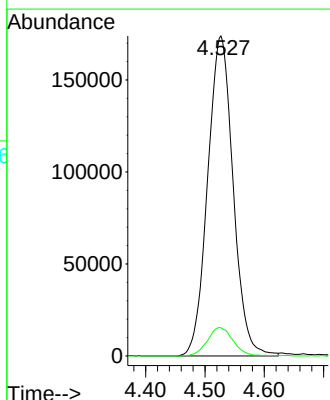
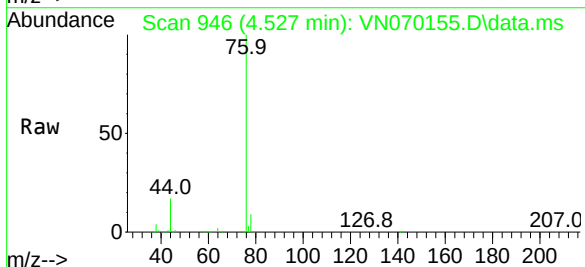
Manual Integrations
APPROVED

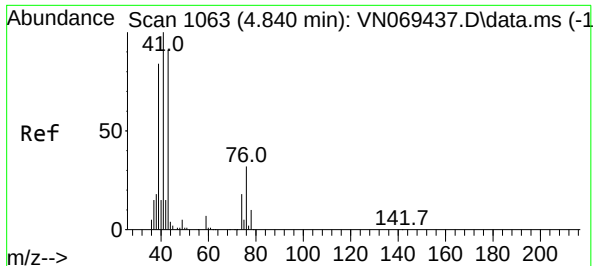
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#16
Carbon Disulfide
Concen: 15.939 ug/l
RT: 4.527 min Scan# 946
Delta R.T. -0.003 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

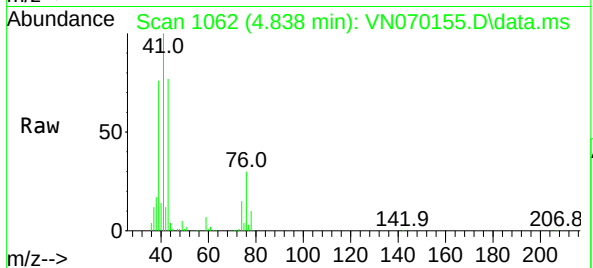
Tgt Ion: 76 Resp: 518808
Ion Ratio Lower Upper
76 100
78 8.8 7.8 11.8





#17
 Allyl chloride
 Concen: 18.986 ug/l
 RT: 4.838 min Scan# 1062
 Delta R.T. -0.003 min
 Lab File: VN070155.D
 Acq: 17 Dec 2021 10:58

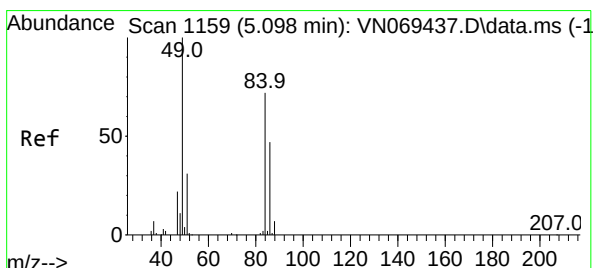
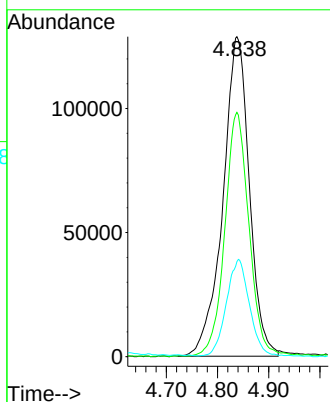
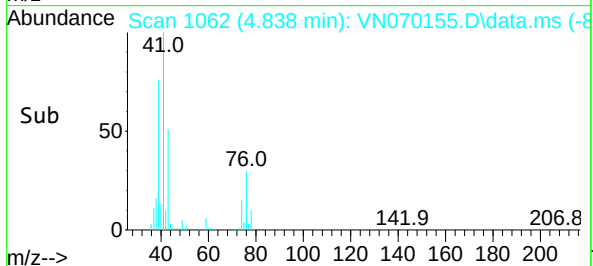
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020



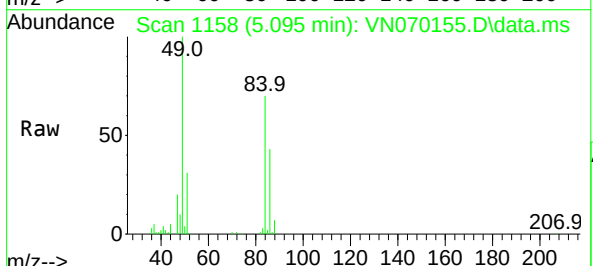
Tgt Ion: 41 Resp: 461258
 Ion Ratio Lower Upper
 41 100
 39 76.2 44.6 134.0
 76 29.3 19.6 58.7

Manual Integrations
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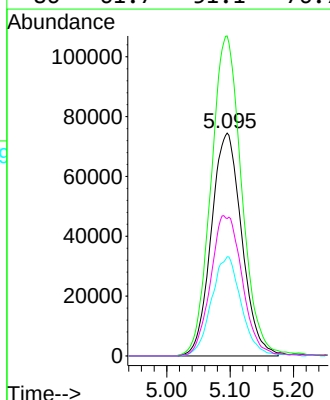
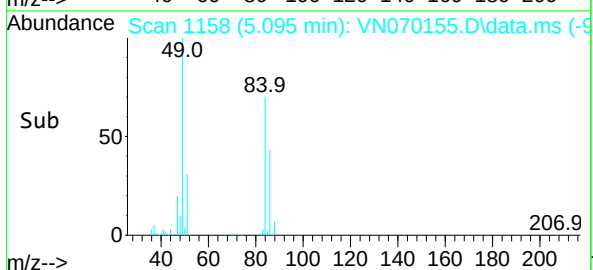
Reviewed By :John Carlone 12/18/2021
 Supervised By :Mahesh Dadoda 12/23/2021

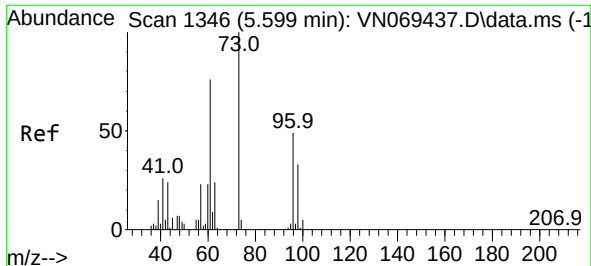


#18
 Methylene Chloride
 Concen: 19.116 ug/l
 RT: 5.095 min Scan# 1158
 Delta R.T. -0.003 min
 Lab File: VN070155.D
 Acq: 17 Dec 2021 10:58



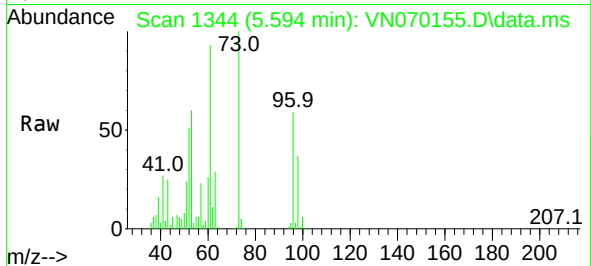
Tgt Ion: 84 Resp: 248927
 Ion Ratio Lower Upper
 84 100
 49 143.3 91.4 137.0#
 51 44.5 29.4 44.0#
 86 61.7 51.1 76.7





#19
trans-1,2-Dichloroethene
Concen: 19.060 ug/l
RT: 5.594 min Scan# 11
Delta R.T. -0.003 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

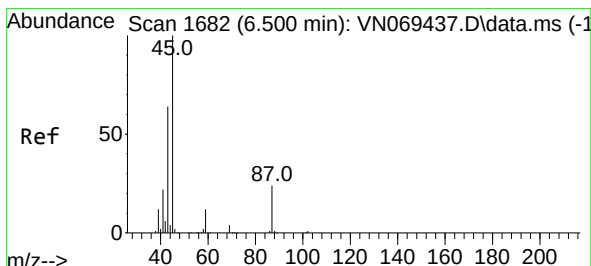
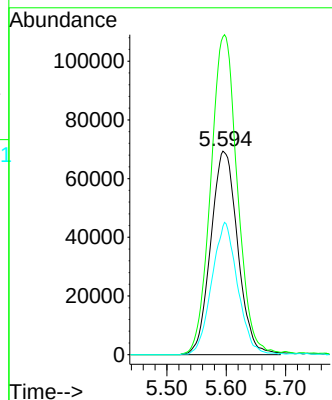
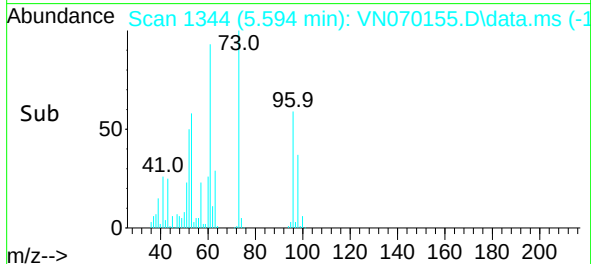
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 96 Resp: 21869
Ion Ratio Lower Upper
96 100
61 156.3 102.8 154.2
98 63.1 49.3 73.9

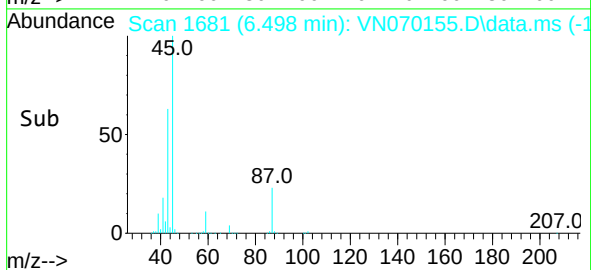
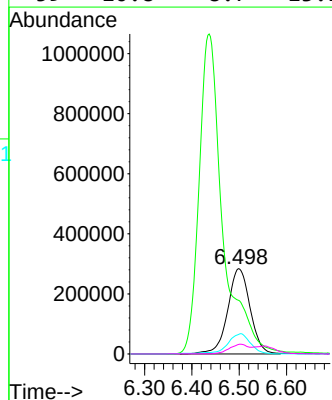
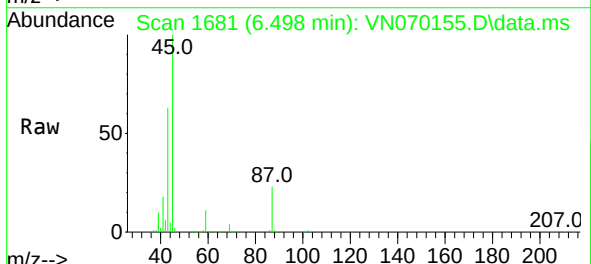
Manual Integrations
APPROVED

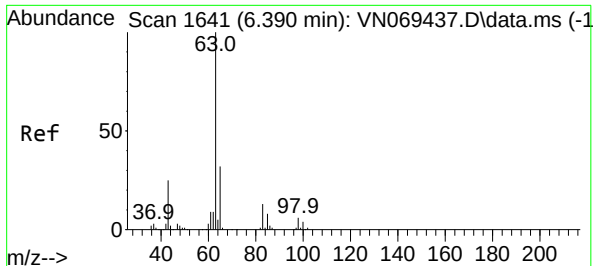
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#20
Diisopropyl ether
Concen: 20.060 ug/l
RT: 6.498 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

Tgt Ion: 45 Resp: 933392
Ion Ratio Lower Upper
45 100
43 61.7 51.0 76.4
87 22.4 25.0 37.4
59 10.8 8.7 13.1





#21

1,1-Dichloroethane

Concen: 19.172 ug/l

RT: 6.388 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN070155.D

Acq: 17 Dec 2021 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 63 Resp: 470258

Ion Ratio Lower Upper

63 100

98 5.7 3.2 9.6

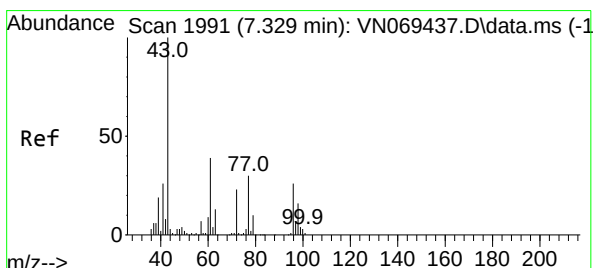
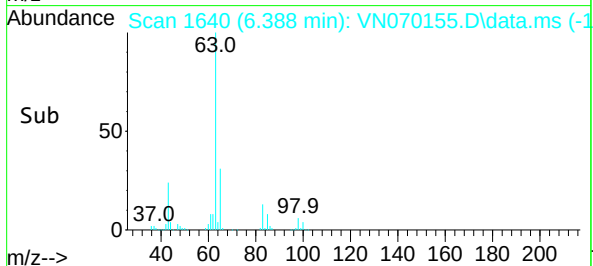
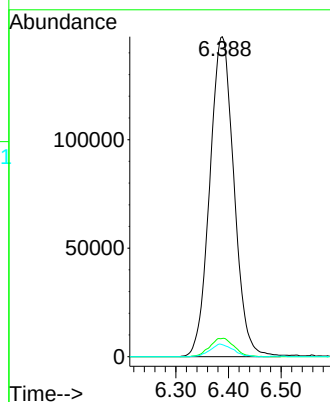
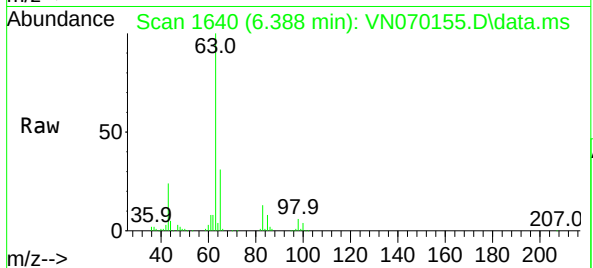
100 3.7 2.1 6.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/18/2021

Supervised By :Mahesh Dadoda 12/23/2021



#22

cis-1,2-Dichloroethene

Concen: 19.078 ug/l

RT: 7.324 min Scan# 1989

Delta R.T. -0.003 min

Lab File: VN070155.D

Acq: 17 Dec 2021 10:58

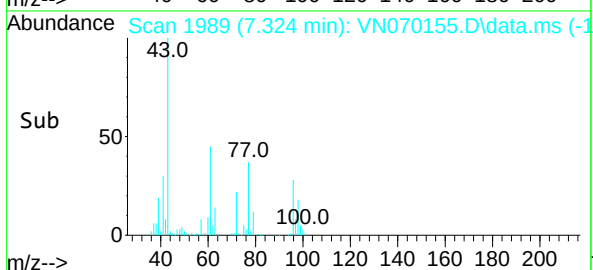
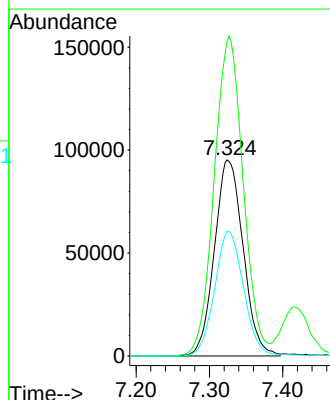
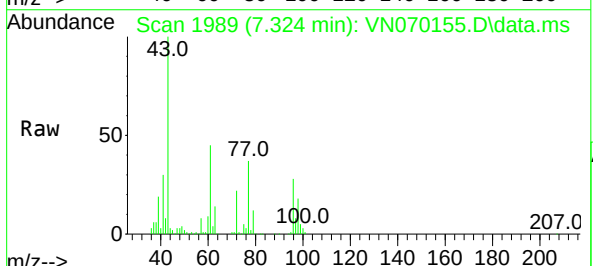
Tgt Ion: 96 Resp: 259090

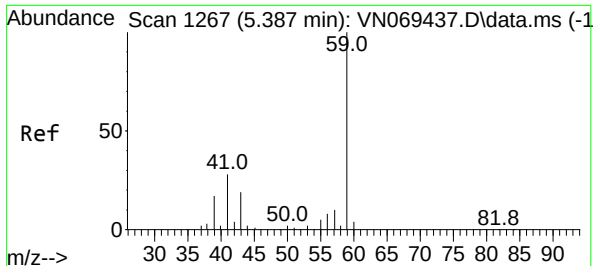
Ion Ratio Lower Upper

96 100

61 164.8 115.7 173.5

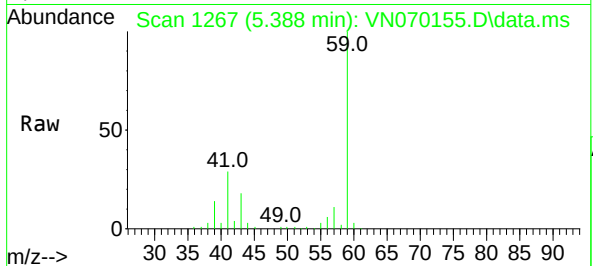
98 63.8 51.6 77.4





#23
tert-Butyl Alcohol
Concen: 114.611 ug/l
RT: 5.388 min Scan# 1267
Delta R.T. 0.014 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

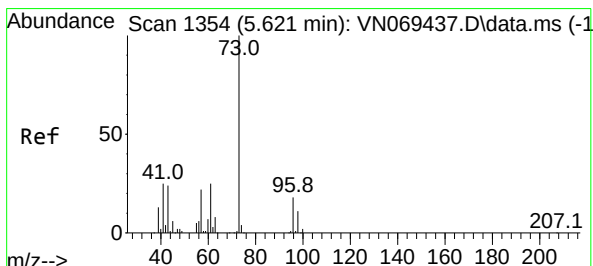
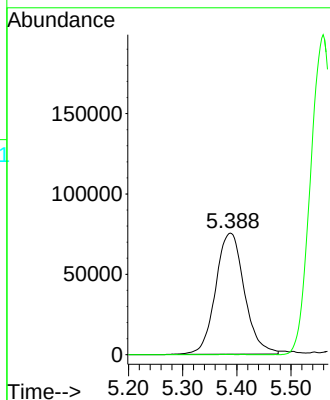
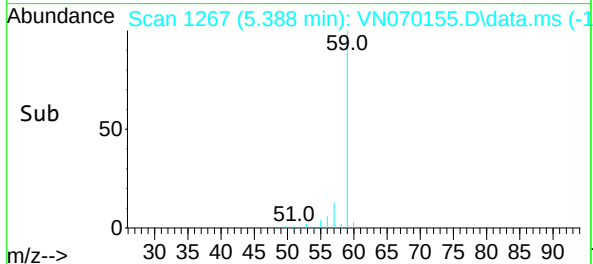
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



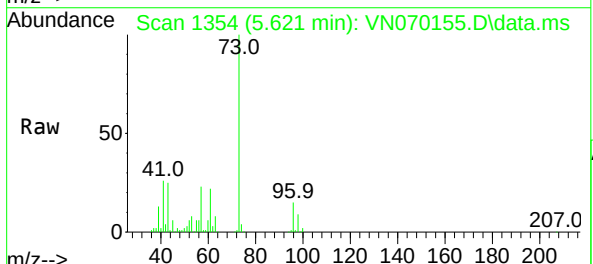
Tgt Ion: 59 Resp: 278360
Ion Ratio Lower Upper
59 100
52 0.1 0.0 0.0

Manual Integrations
APPROVED

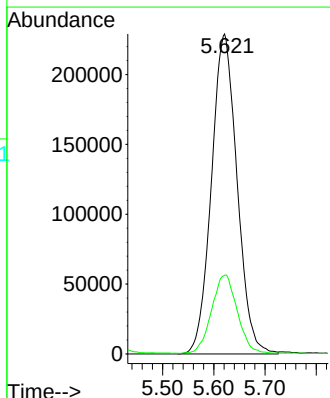
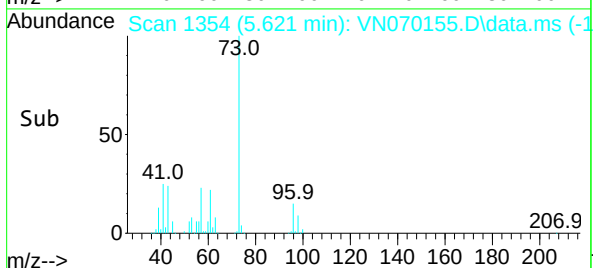
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021

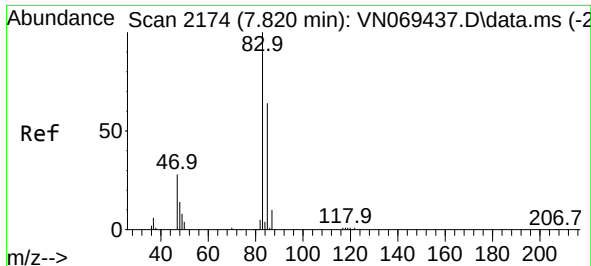


#24
Methyl tert-Butyl Ether
Concen: 20.795 ug/l
RT: 5.621 min Scan# 1354
Delta R.T. 0.003 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58



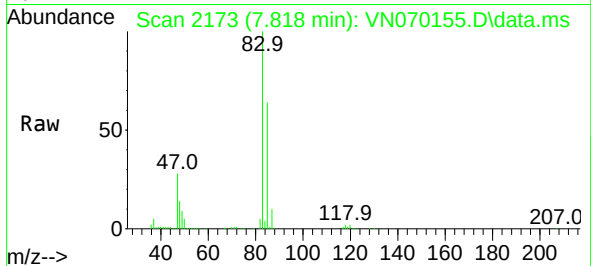
Tgt Ion: 73 Resp: 797719
Ion Ratio Lower Upper
73 100
43 24.4 18.1 27.1





#25
Chloroform
Concen: 18.923 ug/l
RT: 7.818 min Scan# 2174
Delta R.T. 0.000 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

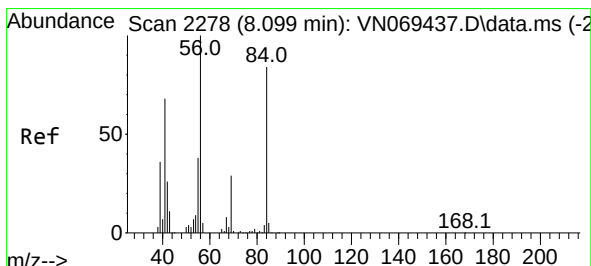
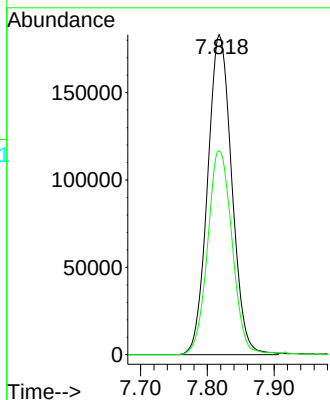
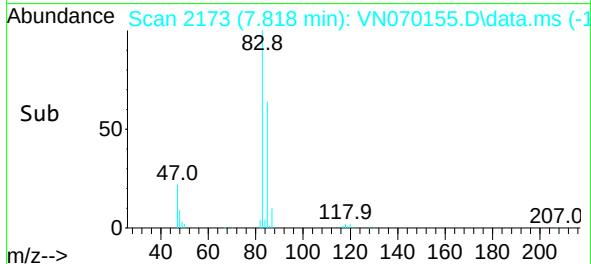
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 83 Resp: 461164
Ion Ratio Lower Upper
83 100
85 63.8 51.3 76.9

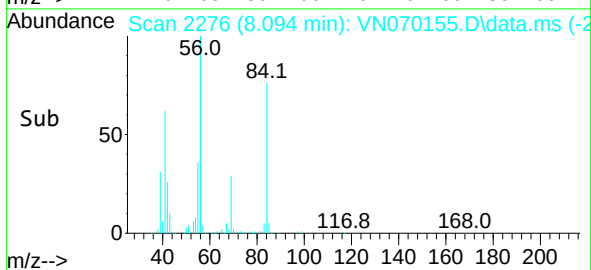
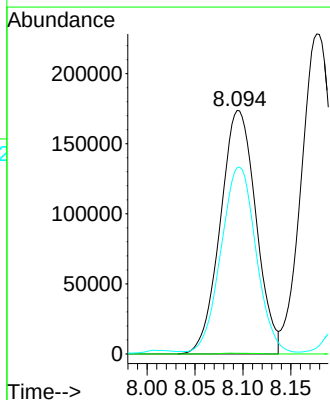
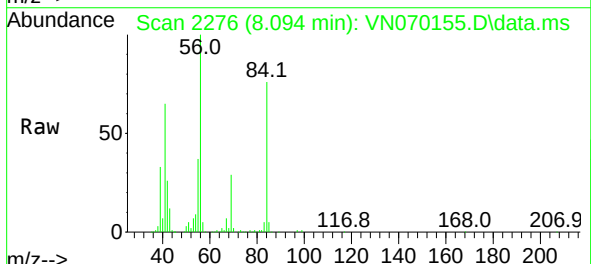
Manual Integrations
APPROVED

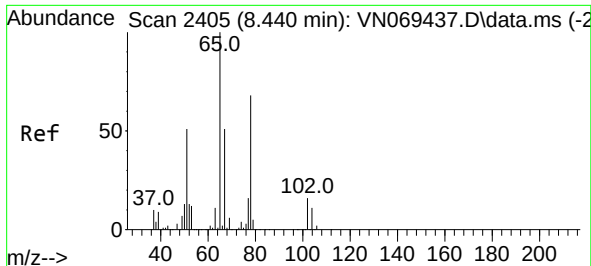
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#26
Cyclohexane
Concen: 19.797 ug/l
RT: 8.094 min Scan# 2276
Delta R.T. -0.003 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

Tgt Ion: 56 Resp: 449492
Ion Ratio Lower Upper
56 100
89 0.1 0.1 0.1#
84 74.4 74.6 111.8#





#27

1,2-Dichloroethane-d4

Concen: 30.959 ug/l

RT: 8.437 min Scan# 2405

Delta R.T. -0.003 min

Lab File: VN070155.D

Acq: 17 Dec 2021 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 65 Resp: 519530

Ion Ratio Lower Upper

65 100

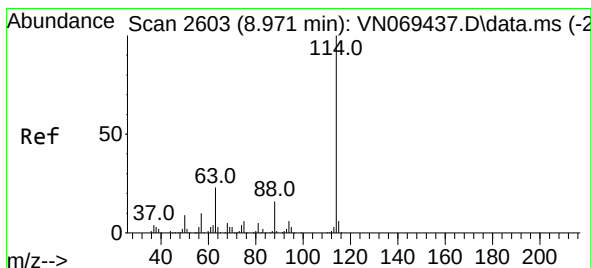
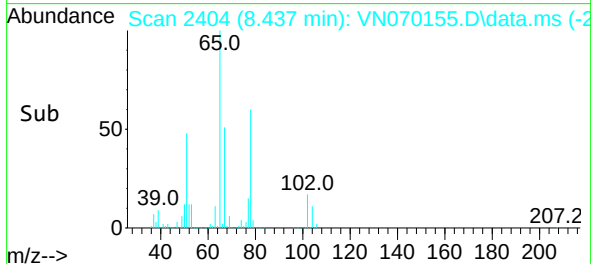
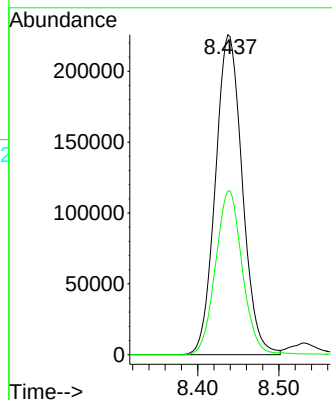
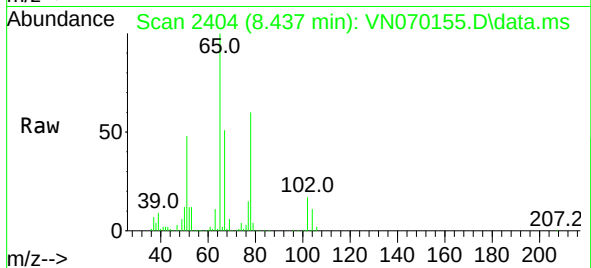
67 50.7 40.2 60.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/18/2021

Supervised By :Mahesh Dadoda 12/23/2021



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.000 min

Lab File: VN070155.D

Acq: 17 Dec 2021 10:58

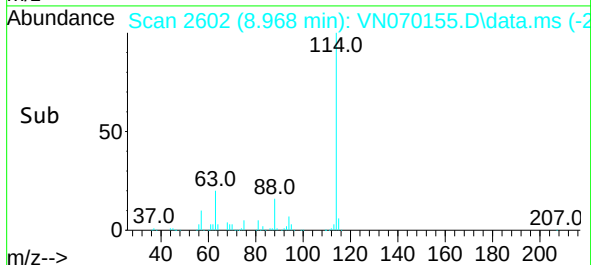
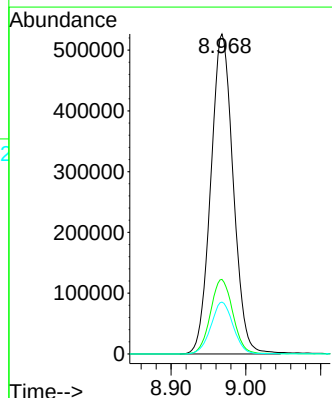
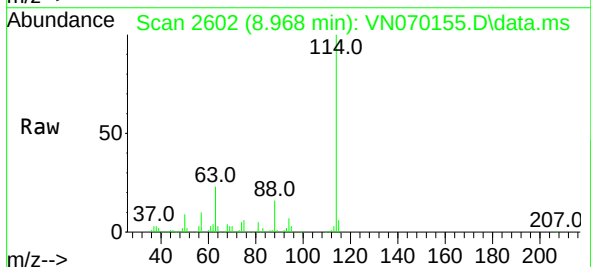
Tgt Ion:114 Resp: 1095820

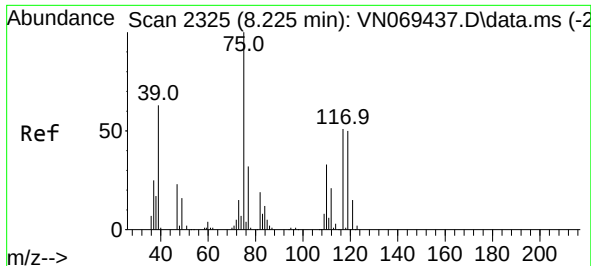
Ion Ratio Lower Upper

114 100

63 23.3 15.8 23.6

88 16.0 11.6 17.4





#29

1,1-Dichloropropene

Concen: 18.196 ug/l

RT: 8.220 min Scan# 21

Delta R.T. -0.003 min

Lab File: VN070155.D

Acq: 17 Dec 2021 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 75 Resp: 343328

Ion Ratio Lower Upper

75 100

110 32.2 0.0 74.2

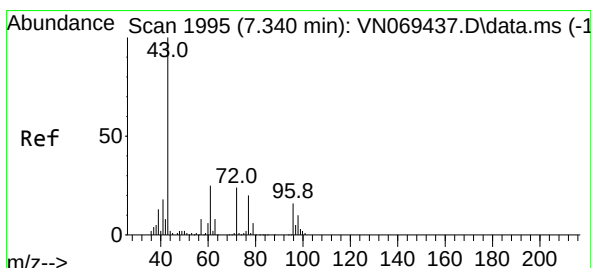
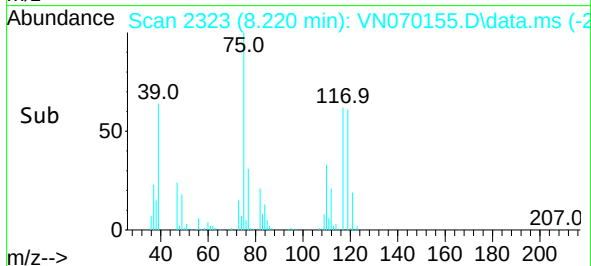
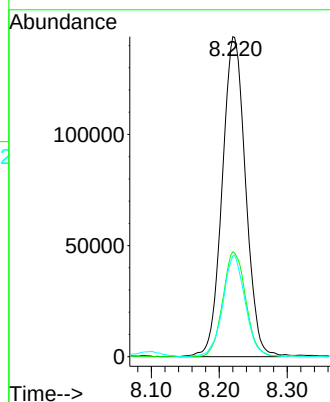
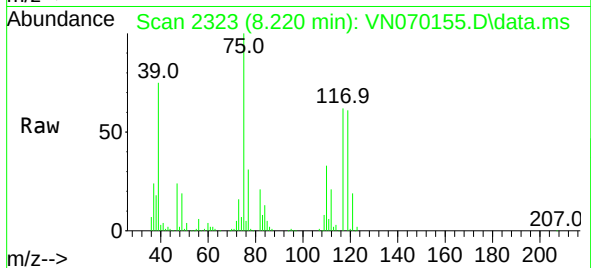
77 30.5 0.0 63.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/18/2021

Supervised By :Mahesh Dadoda 12/23/2021



#30

2-Butanone

Concen: 107.840 ug/l

RT: 7.340 min Scan# 1995

Delta R.T. 0.005 min

Lab File: VN070155.D

Acq: 17 Dec 2021 10:58

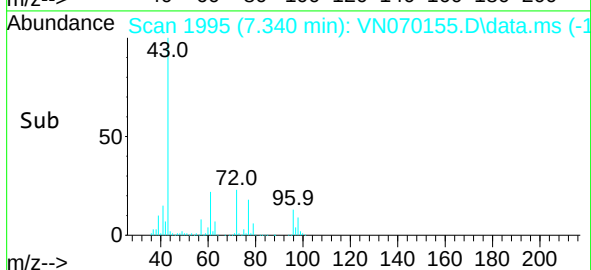
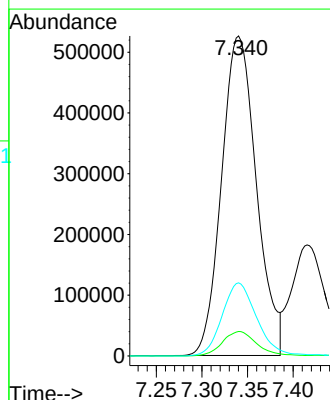
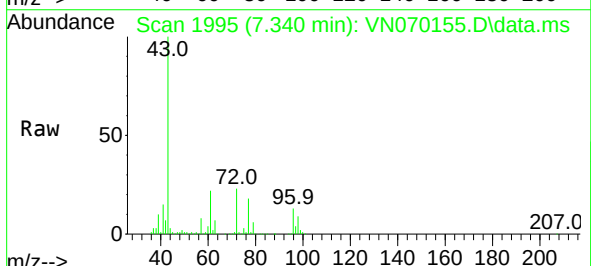
Tgt Ion: 43 Resp: 1399934

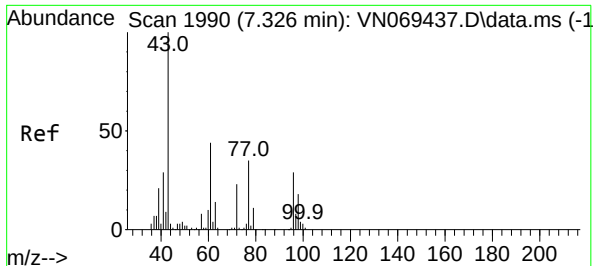
Ion Ratio Lower Upper

43 100

57 7.6 6.7 10.1

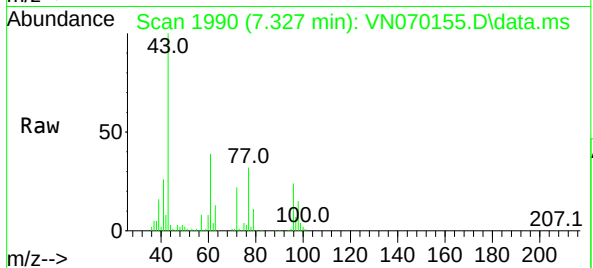
72 22.7 23.2 34.8#





#31
2,2-Dichloropropane
Concen: 18.683 ug/l
RT: 7.327 min Scan# 1990
Delta R.T. 0.000 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

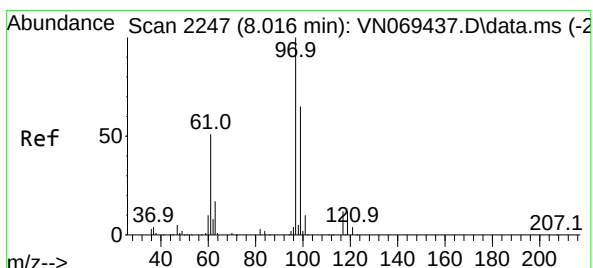
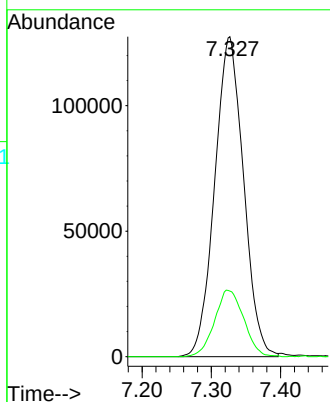
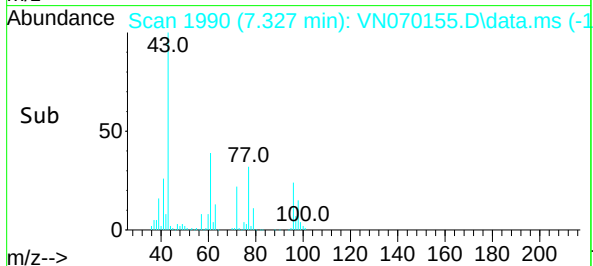
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



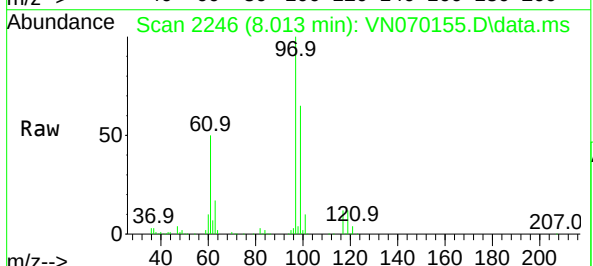
Tgt Ion: 77 Resp: 36863
Ion Ratio Lower Upper
77 100
97 21.1 18.3 27.5

Manual Integrations
APPROVED

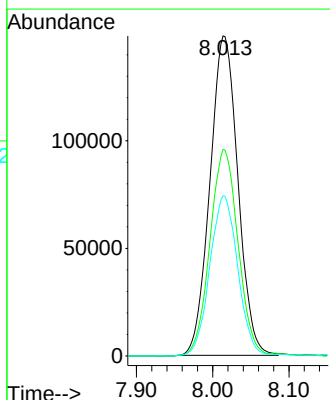
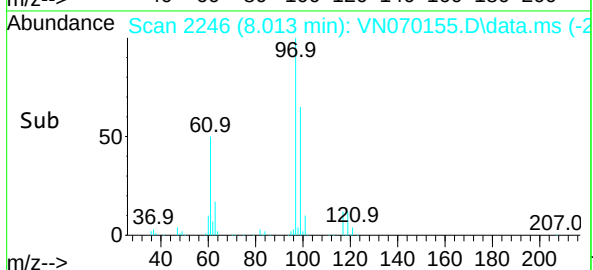
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021

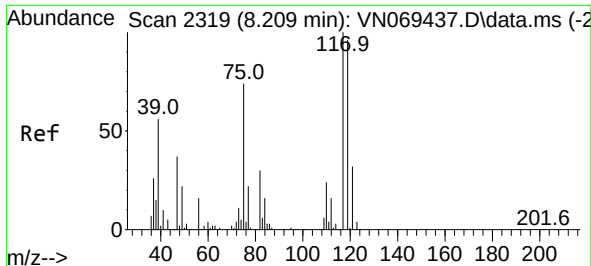


#32
1,1,1-Trichloroethane
Concen: 17.331 ug/l
RT: 8.013 min Scan# 2246
Delta R.T. 0.000 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58



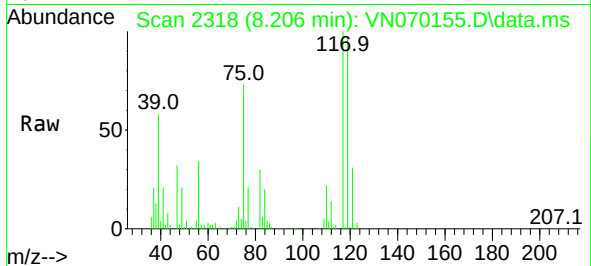
Tgt Ion: 97 Resp: 378730
Ion Ratio Lower Upper
97 100
99 64.8 50.4 75.6
61 49.9 34.6 51.8





#33
Carbon Tetrachloride
Concen: 16.082 ug/l
RT: 8.206 min Scan# 2117
Delta R.T. 0.000 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

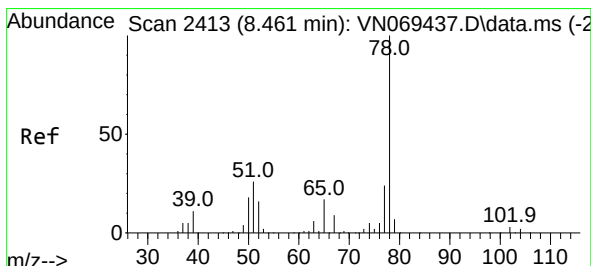
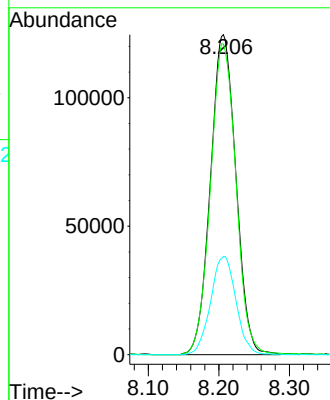
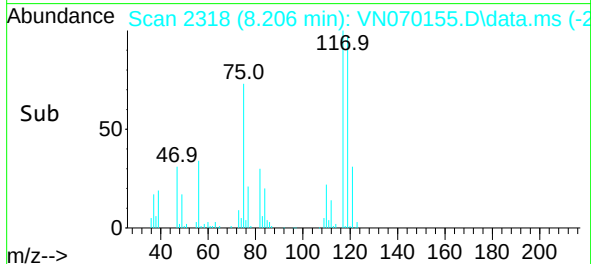
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:117 Resp: 31238
Ion Ratio Lower Upper
117 100
119 97.1 77.5 116.3
121 30.7 23.5 35.3

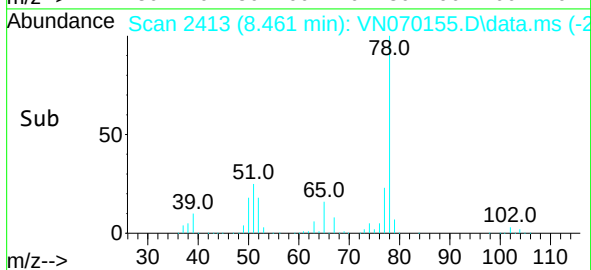
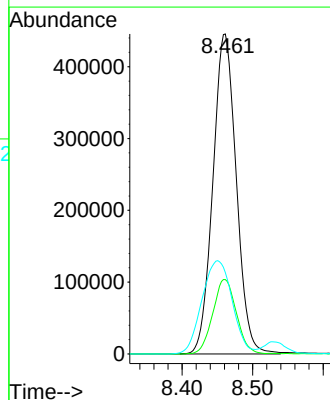
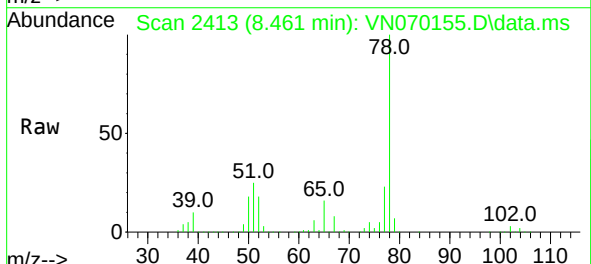
Manual Integrations
APPROVED

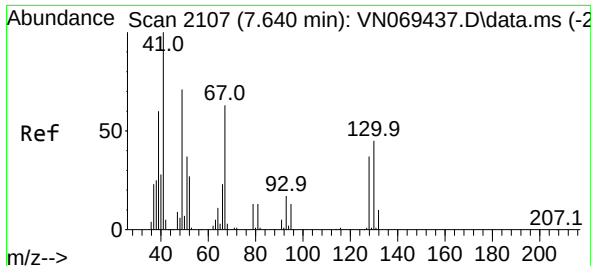
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#34
Benzene
Concen: 18.430 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. 0.000 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

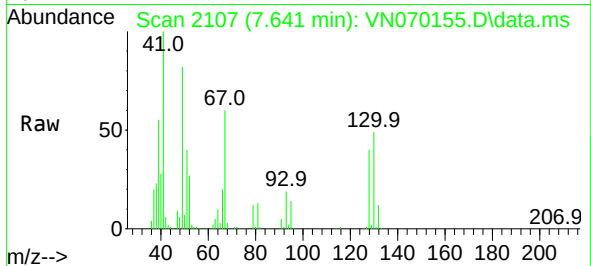
Tgt Ion: 78 Resp: 1028054
Ion Ratio Lower Upper
78 100
77 23.2 19.1 28.7
51 25.1 16.0 24.0#





#35
Methacrylonitrile
Concen: 19.294 ug/l
RT: 7.641 min Scan# 2107
Delta R.T. 0.003 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

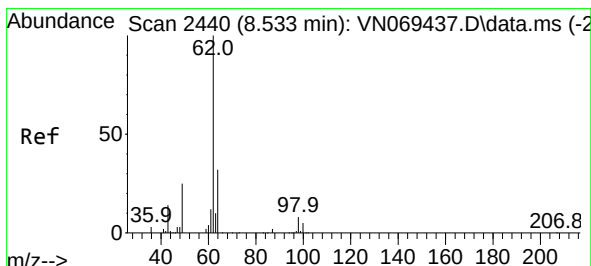
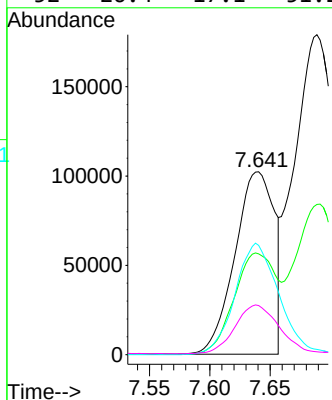
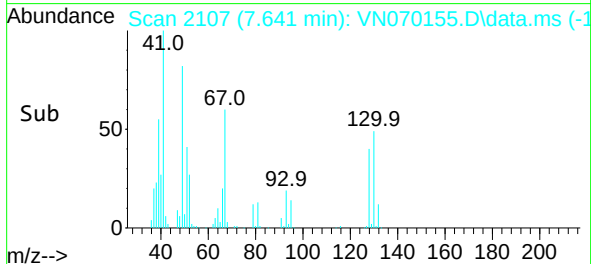
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



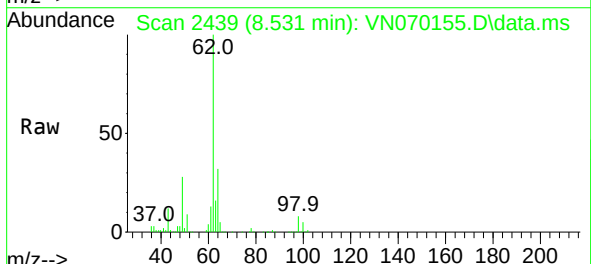
Tgt Ion: 41 Resp: 23168
Ion Ratio Lower Upper
41 100
39 54.9 28.0 83.9
67 59.9 37.7 113.1
52 26.4 17.1 51.2

Manual Integrations
APPROVED

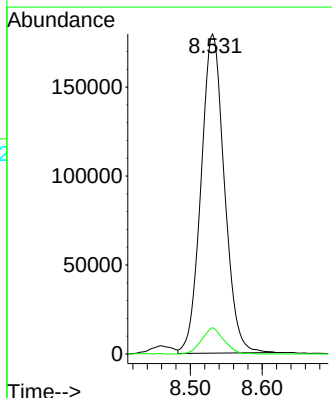
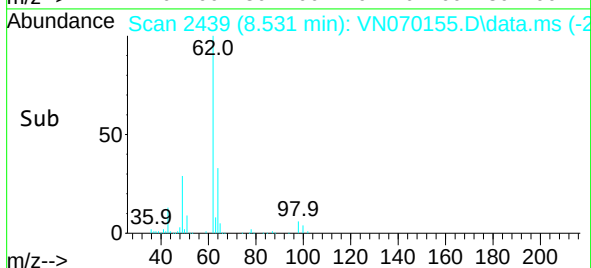
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021

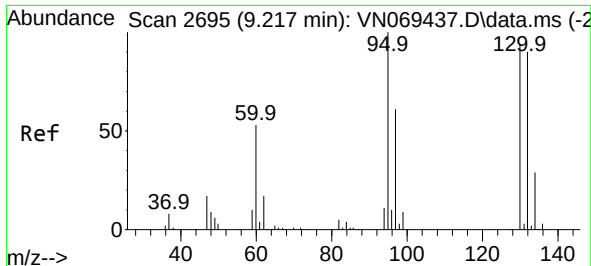


#36
1,2-Dichloroethane
Concen: 18.394 ug/l
RT: 8.531 min Scan# 2439
Delta R.T. 0.000 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58



Tgt Ion: 62 Resp: 405041
Ion Ratio Lower Upper
62 100
98 7.8 6.6 10.0





#37

Trichloroethene

Concen: 17.731 ug/l

RT: 9.218 min Scan# 2695

Delta R.T. 0.000 min

Lab File: VN070155.D

Acq: 17 Dec 2021 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:130 Resp: 235240

Ion Ratio Lower Upper

130 100

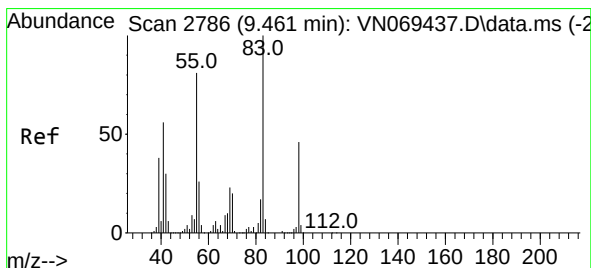
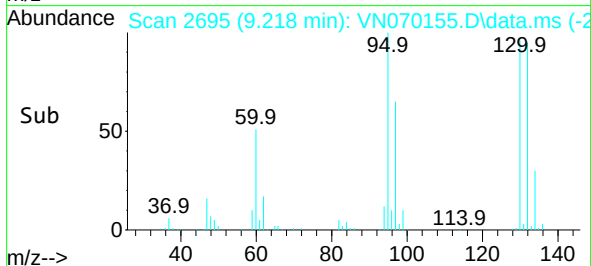
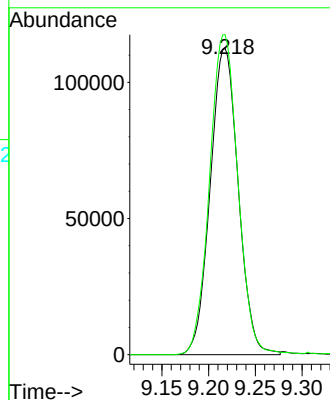
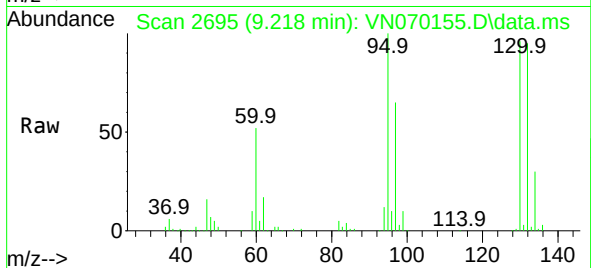
95 104.0 76.6 115.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/18/2021

Supervised By :Mahesh Dadoda 12/23/2021



#38

Methylcyclohexane

Concen: 18.372 ug/l

RT: 9.462 min Scan# 2786

Delta R.T. 0.003 min

Lab File: VN070155.D

Acq: 17 Dec 2021 10:58

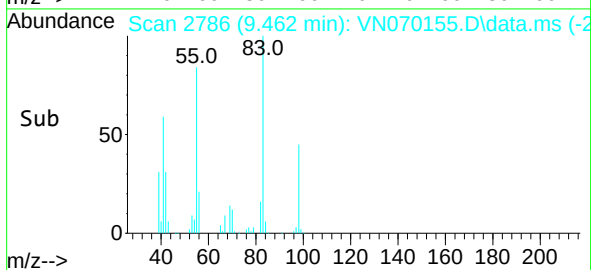
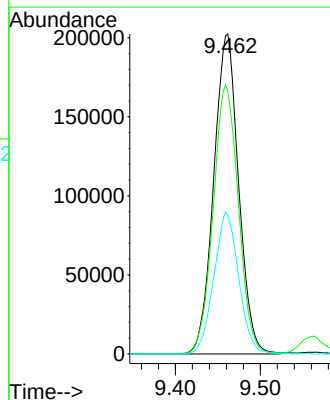
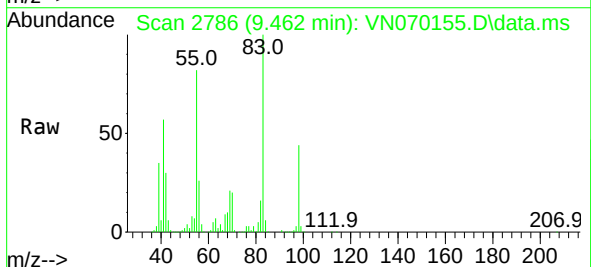
Tgt Ion: 83 Resp: 412055

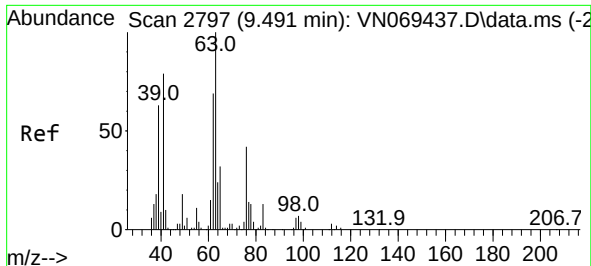
Ion Ratio Lower Upper

83 100

55 85.6 35.1 105.3

98 44.3 23.4 70.2





#39

1,2-Dichloropropane

Concen: 18.520 ug/l

RT: 9.491 min Scan# 2797

Delta R.T. 0.003 min

Lab File: VN070155.D

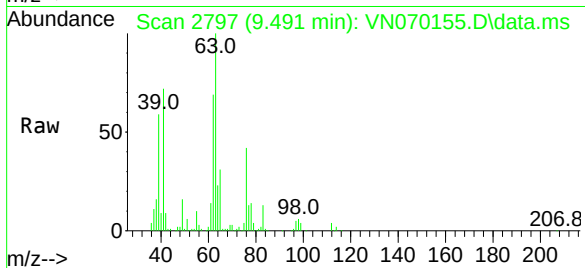
Acq: 17 Dec 2021 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020



Tgt Ion: 63 Resp: 275428

Ion Ratio Lower Upper

63 100

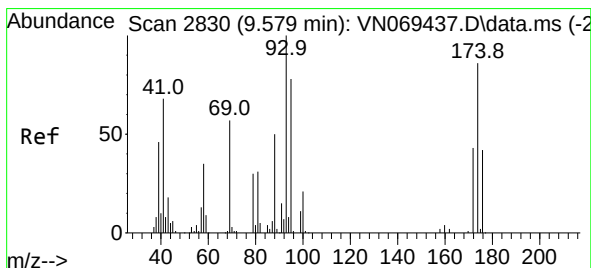
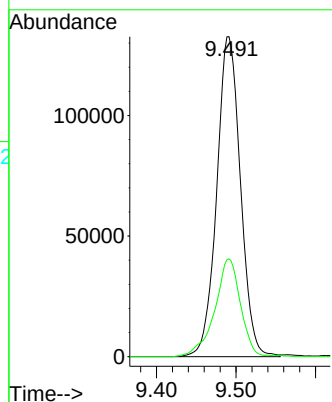
65 30.2 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/18/2021

Supervised By :Mahesh Dadoda 12/23/2021



#40

Dibromomethane

Concen: 17.746 ug/l

RT: 9.580 min Scan# 2830

Delta R.T. 0.003 min

Lab File: VN070155.D

Acq: 17 Dec 2021 10:58

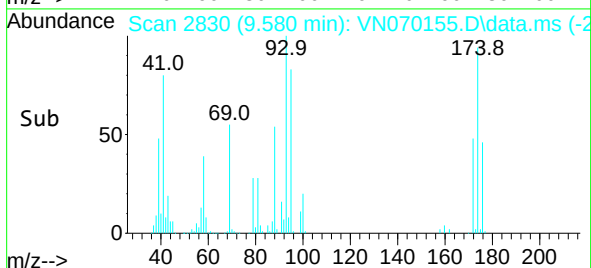
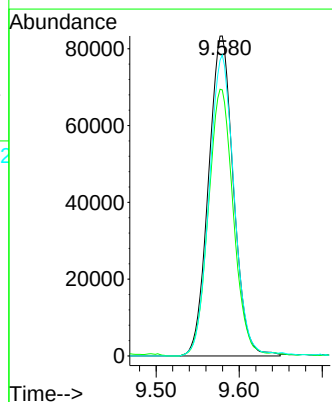
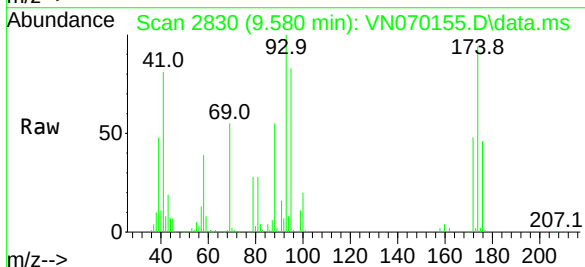
Tgt Ion: 93 Resp: 174087

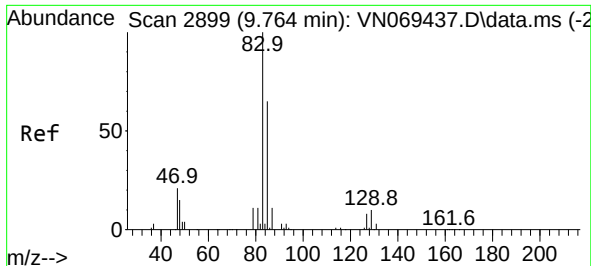
Ion Ratio Lower Upper

93 100

95 83.4 0.0 168.8

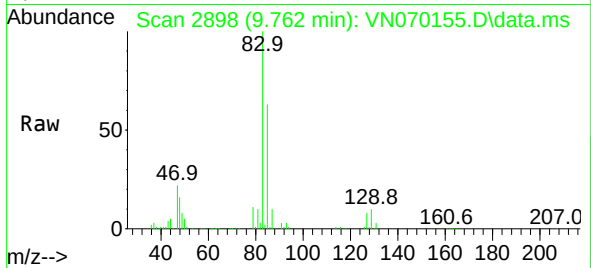
174 93.7 0.0 173.6





#41
Bromodichloromethane
Concen: 16.073 ug/l
RT: 9.762 min Scan# 2899
Delta R.T. 0.000 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

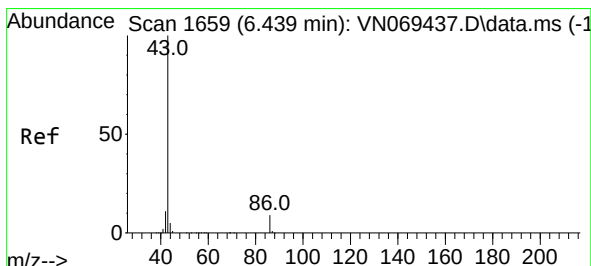
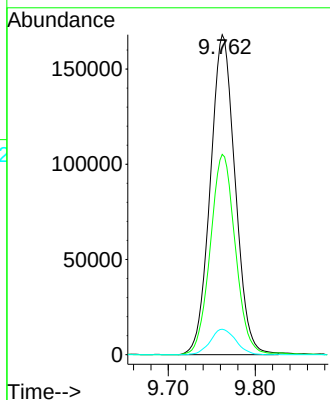
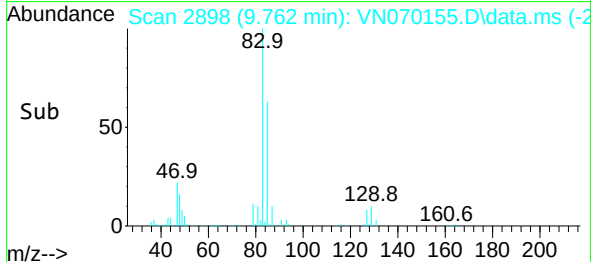
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



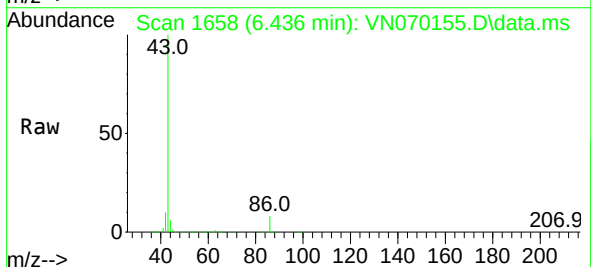
Tgt Ion: 83 Resp: 333410
Ion Ratio Lower Upper
83 100
85 62.6 54.1 81.1
127 8.0 7.6 11.4

Manual Integrations
APPROVED

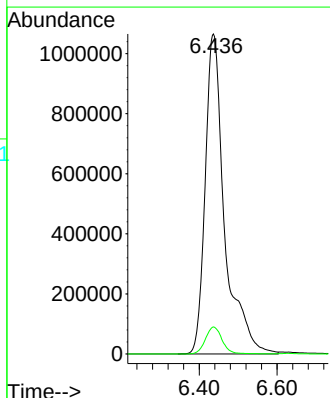
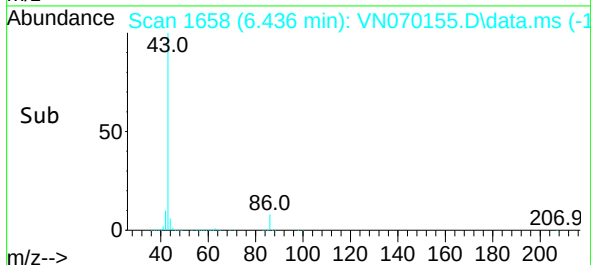
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021

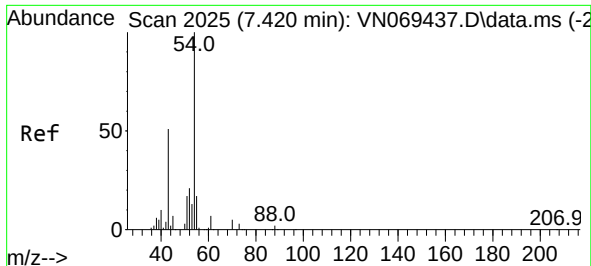


#42
Vinyl Acetate
Concen: 96.640 ug/l
RT: 6.436 min Scan# 1658
Delta R.T. 0.003 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58



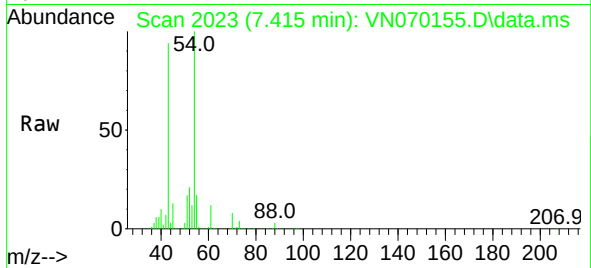
Tgt Ion: 43 Resp: 3685261
Ion Ratio Lower Upper
43 100
86 7.3 7.5 11.3





#43
Ethyl Acetate
Concen: 20.368 ug/l
RT: 7.415 min Scan# 2025
Delta R.T. 0.003 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

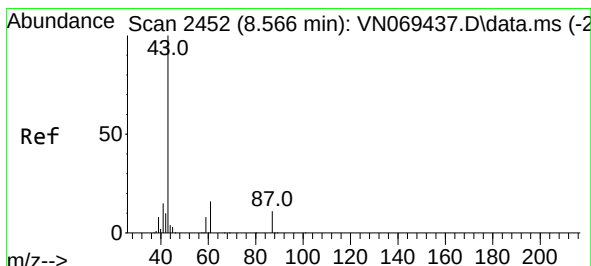
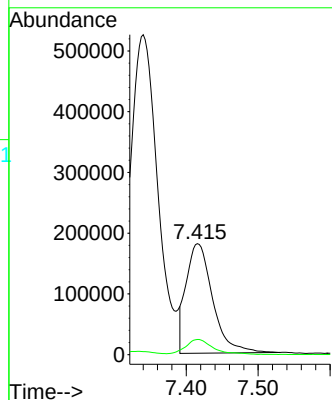
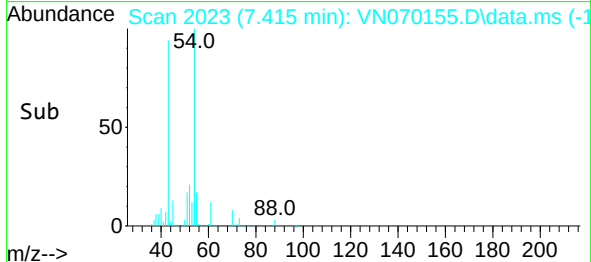
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 43 Resp: 459263
Ion Ratio Lower Upper
43 100
45 11.9 10.6 16.0

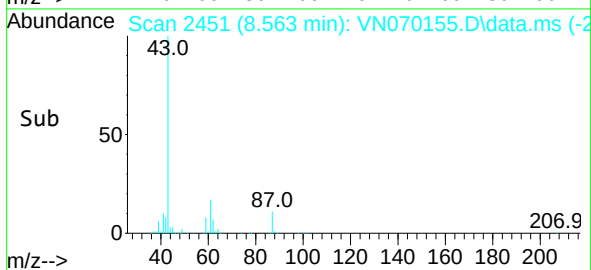
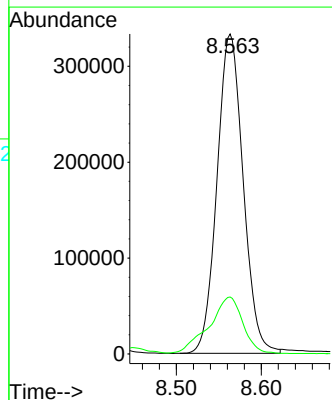
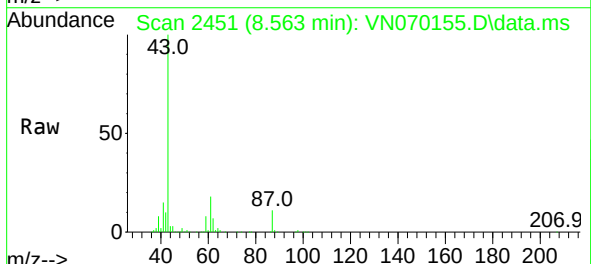
Manual Integrations
APPROVED

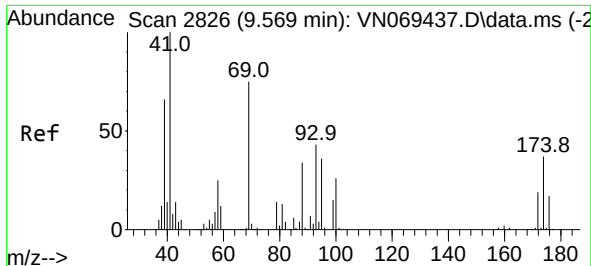
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#44
Isopropyl Acetate
Concen: 19.662 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

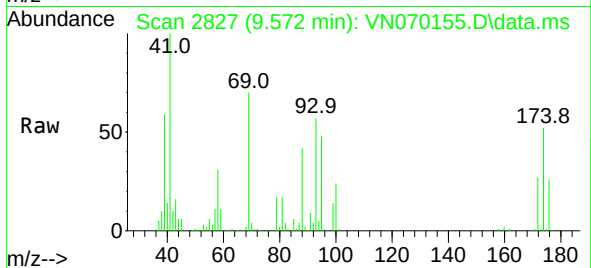
Tgt Ion: 43 Resp: 713623
Ion Ratio Lower Upper
43 100
61 22.8 20.1 30.1





#45
1,4-Dioxane
Concen: 459.221 ug/l
RT: 9.572 min Scan# 2827
Delta R.T. 0.003 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

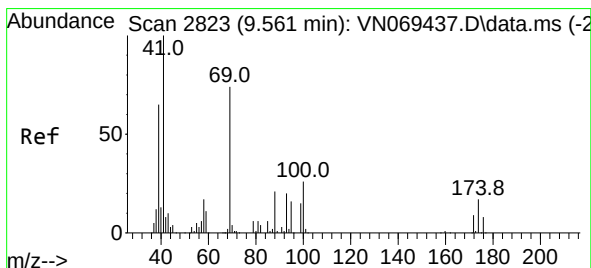
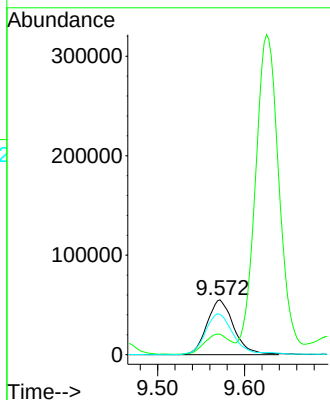
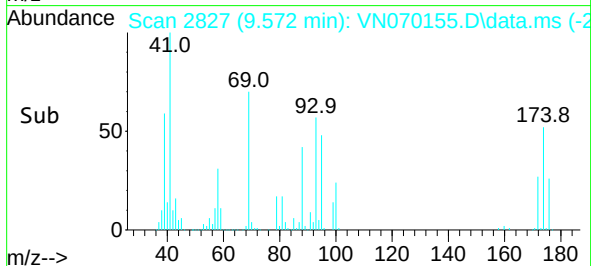
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



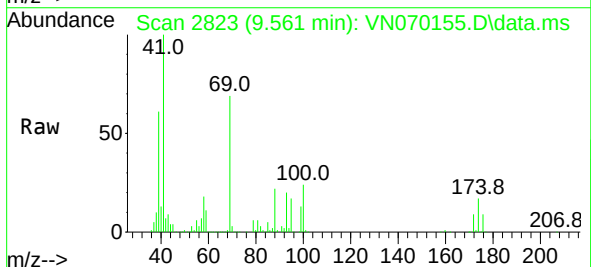
Tgt Ion: 88 Resp: 117940
Ion Ratio Lower Upper
88 100
43 36.1 25.0 37.6
58 76.6 49.4 74.2

Manual Integrations
APPROVED

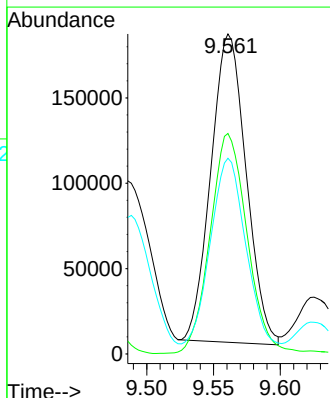
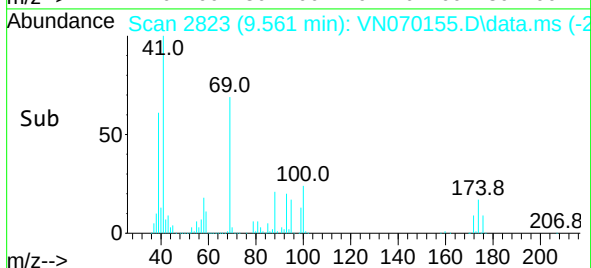
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021

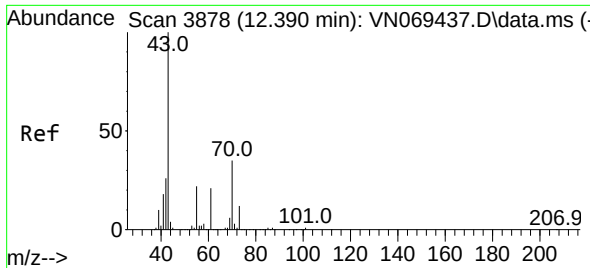


#46
Methyl methacrylate
Concen: 19.303 ug/l
RT: 9.561 min Scan# 2823
Delta R.T. 0.000 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58



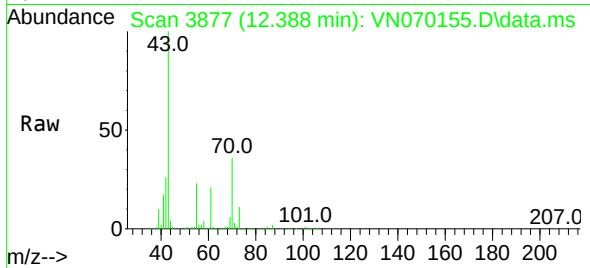
Tgt Ion: 41 Resp: 331812
Ion Ratio Lower Upper
41 100
69 71.5 44.4 133.2
39 60.7 39.9 119.6





#47
n-amy1 Acetate
Concen: 19.019 ug/l
RT: 12.388 min Scan# 3877
Delta R.T. 0.000 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

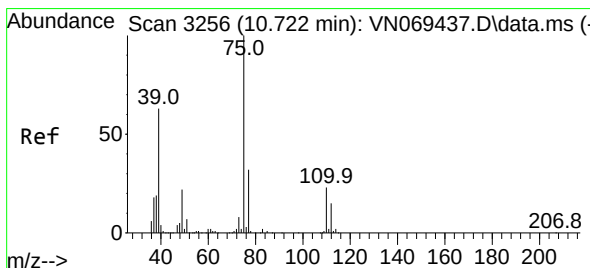
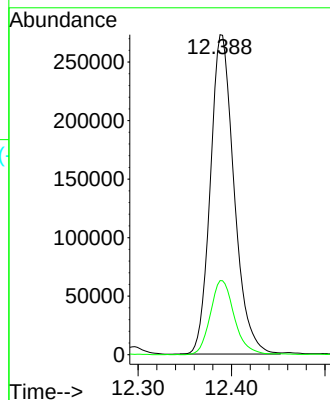
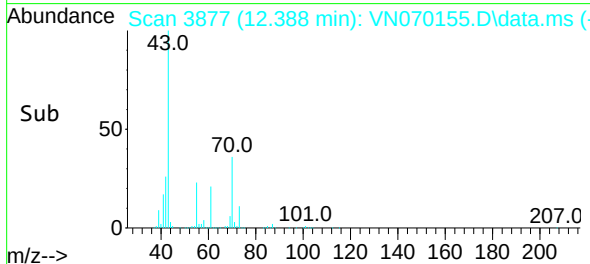
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



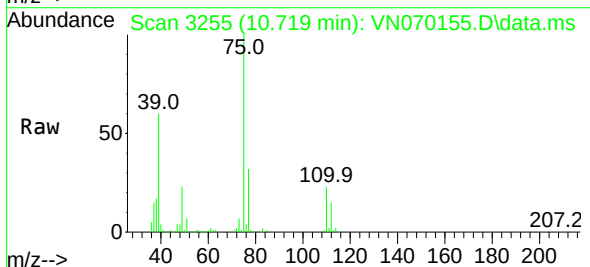
Tgt Ion: 43 Resp: 481390
Ion Ratio Lower Upper
43 100
55 23.5 19.0 28.6

Manual Integrations
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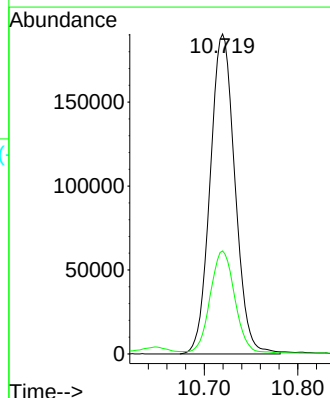
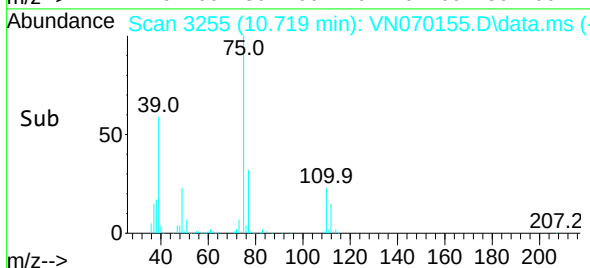
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021

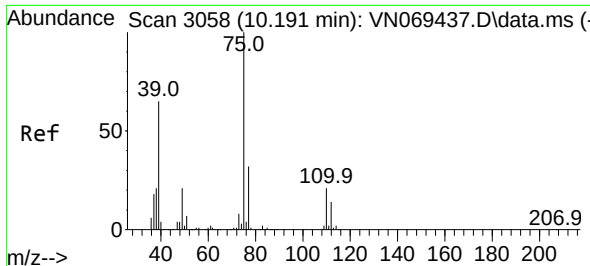


#48
t-1,3-Dichloropropene
Concen: 16.808 ug/l
RT: 10.719 min Scan# 3255
Delta R.T. 0.000 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58



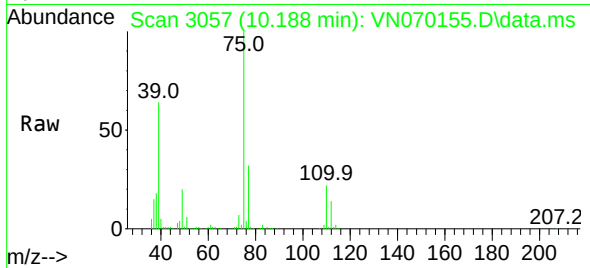
Tgt Ion: 75 Resp: 350679
Ion Ratio Lower Upper
75 100
77 31.9 25.3 37.9





#49
 cis-1,3-Dichloropropene
 Concen: 17.199 ug/l
 RT: 10.188 min Scan# 3057
 Delta R.T. 0.000 min
 Lab File: VN070155.D
 Acq: 17 Dec 2021 10:58

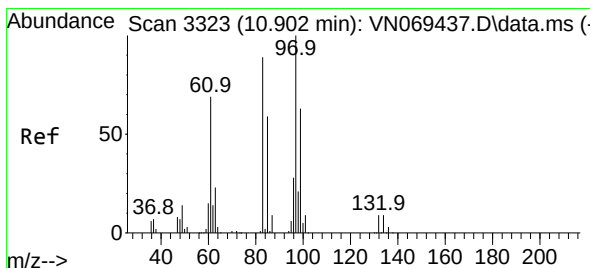
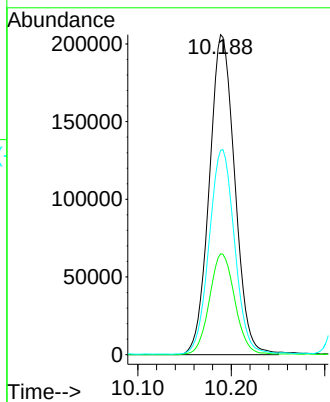
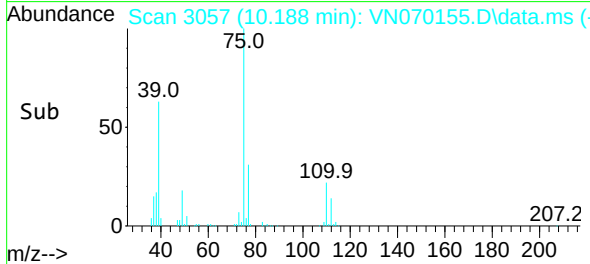
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020



Tgt Ion: 75 Resp: 389425
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.3 37.9
 39 63.7 46.2 69.4

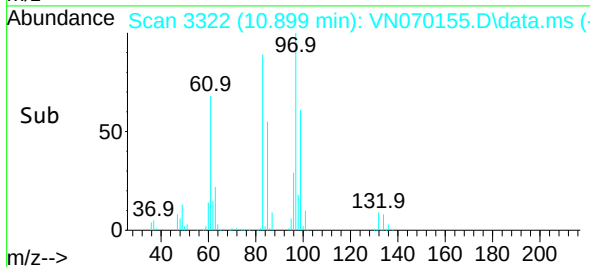
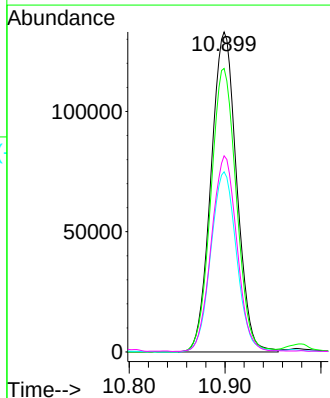
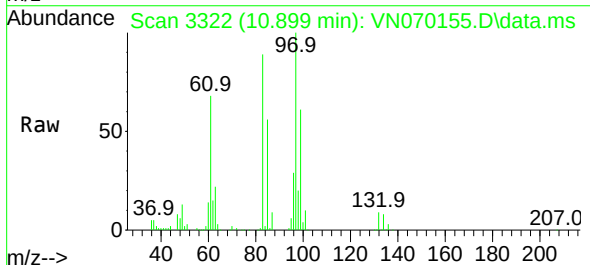
Manual Integrations
 APPROVED

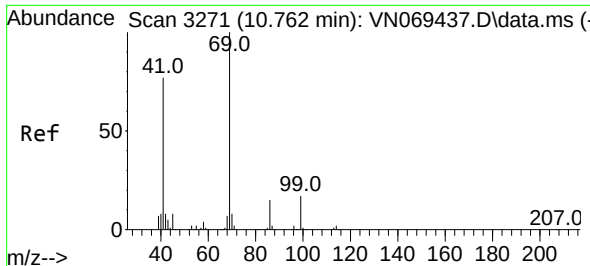
Reviewed By :John Carlone 12/18/2021
 Supervised By :Mahesh Dadoda 12/23/2021



#50
 1,1,2-Trichloroethane
 Concen: 18.509 ug/l
 RT: 10.899 min Scan# 3322
 Delta R.T. 0.000 min
 Lab File: VN070155.D
 Acq: 17 Dec 2021 10:58

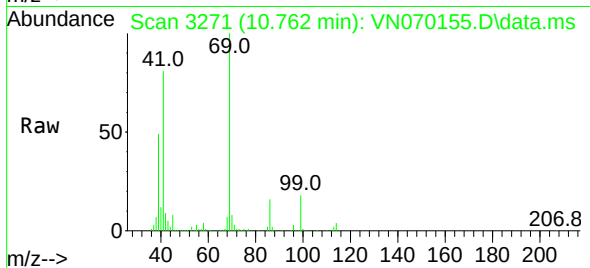
Tgt Ion: 97 Resp: 246806
 Ion Ratio Lower Upper
 97 100
 83 88.5 67.2 100.8
 85 56.3 43.0 64.4
 99 61.1 49.0 73.4





#51
Ethyl methacrylate
Concen: 19.163 ug/l
RT: 10.762 min Scan# 3271
Delta R.T. 0.003 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

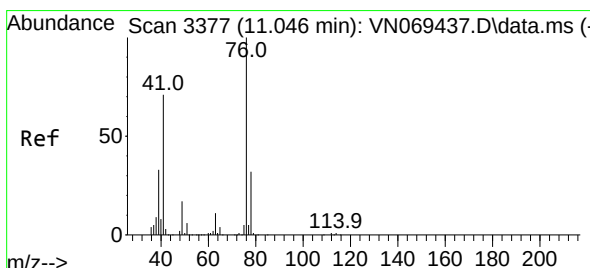
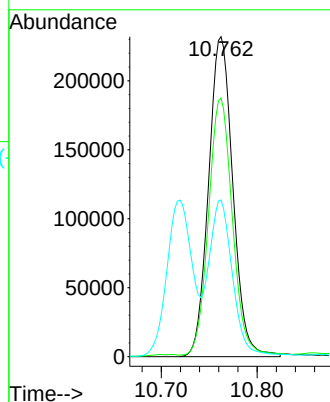
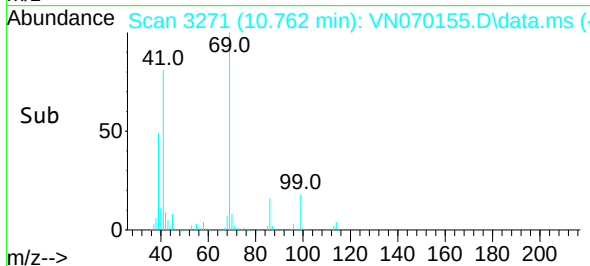
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 69 Resp: 40839
Ion Ratio Lower Upper
69 100
41 80.3 33.0 98.9
39 48.2 25.4 76.4

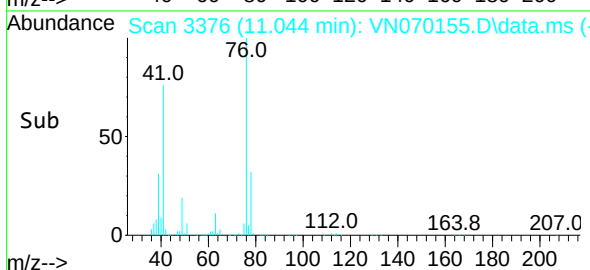
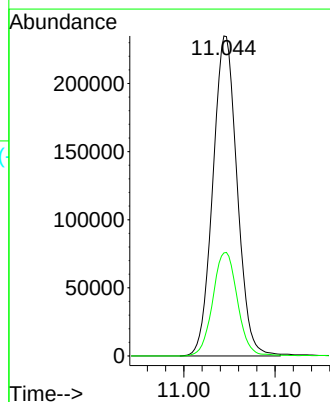
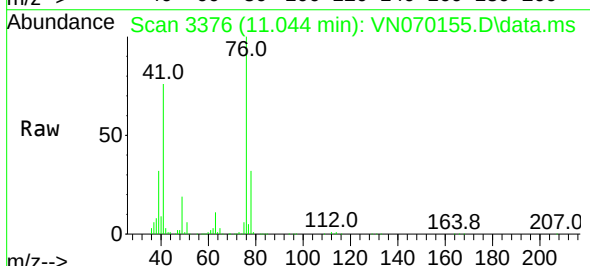
Manual Integrations
APPROVED

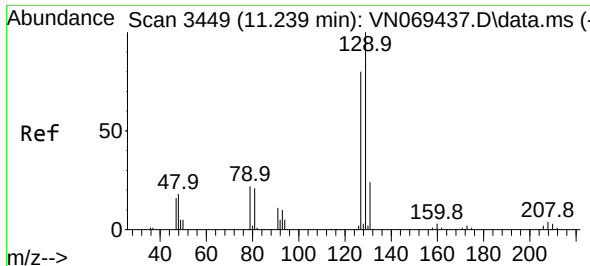
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#52
1,3-Dichloropropane
Concen: 18.369 ug/l
RT: 11.044 min Scan# 3376
Delta R.T. 0.000 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

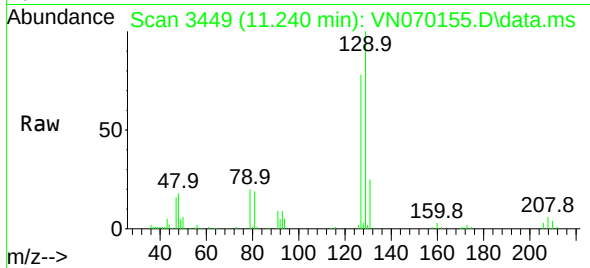
Tgt Ion: 76 Resp: 433679
Ion Ratio Lower Upper
76 100
78 32.7 0.0 65.4





#53
Dibromochloromethane
Concen: 15.067 ug/l
RT: 11.240 min Scan# 3449
Delta R.T. 0.000 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

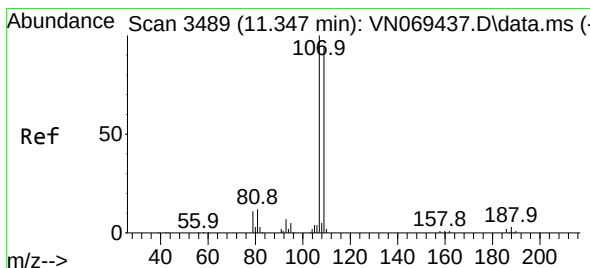
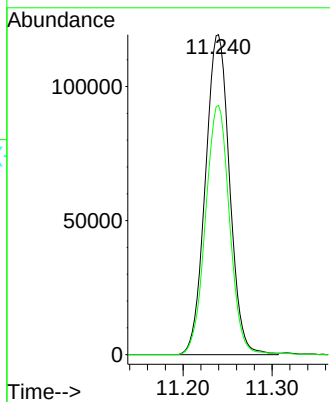
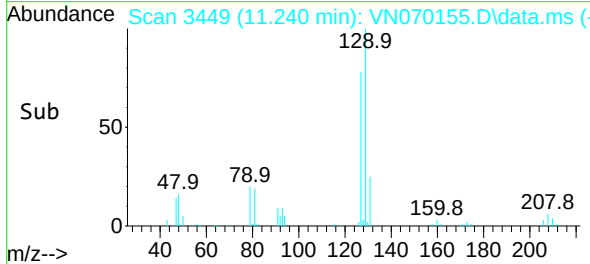
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



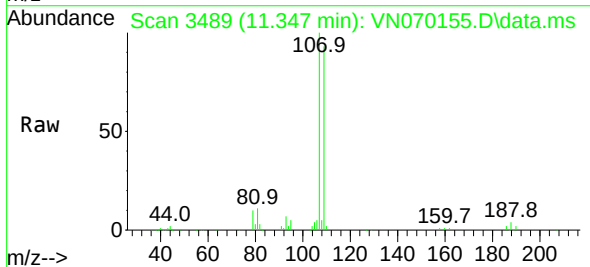
Tgt Ion:129 Resp: 22568
Ion Ratio Lower Upper
129 100
127 77.3 39.0 117.0

Manual Integrations
APPROVED

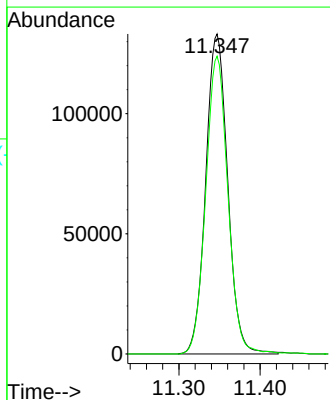
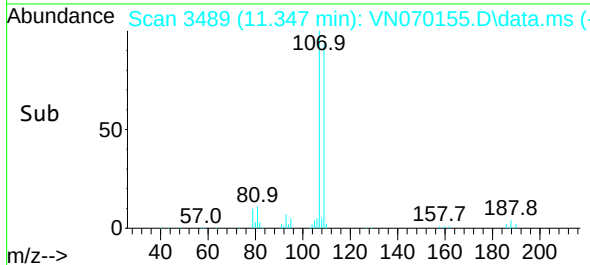
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021

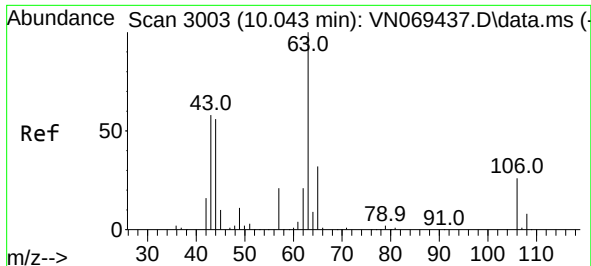


#54
1,2-Dibromoethane
Concen: 18.399 ug/l
RT: 11.347 min Scan# 3489
Delta R.T. 0.003 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58



Tgt Ion:107 Resp: 249965
Ion Ratio Lower Upper
107 100
109 93.6 72.8 109.2





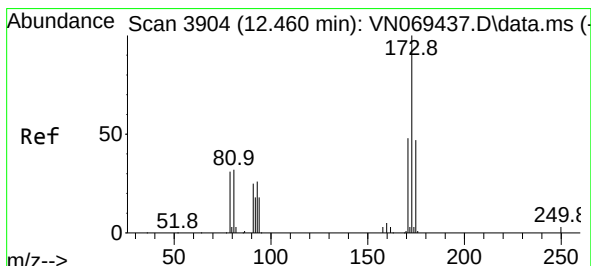
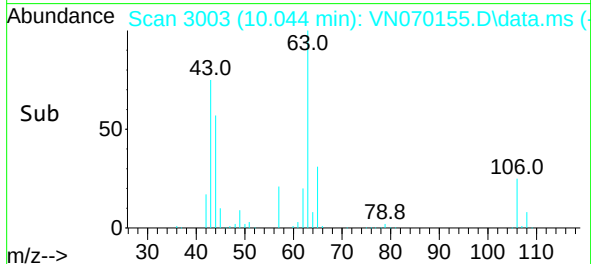
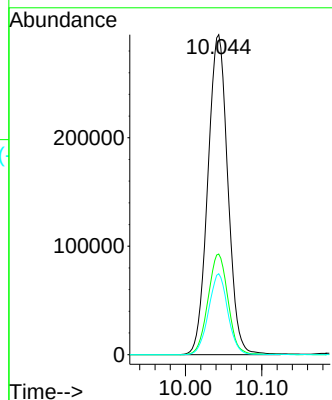
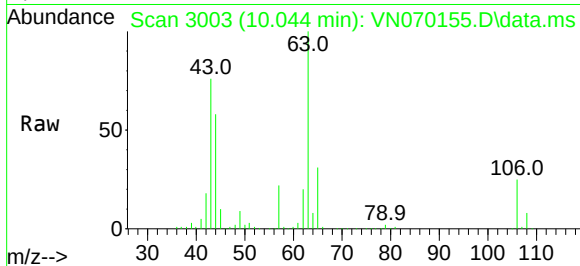
#55
2-Chloroethyl vinyl ether
Concen: 128.547 ug/l
RT: 10.044 min Scan# 3003
Delta R.T. 0.003 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 63 Resp: 537050
Ion Ratio Lower Upper
63 100
65 31.5 25.4 38.0
106 24.4 23.2 34.8

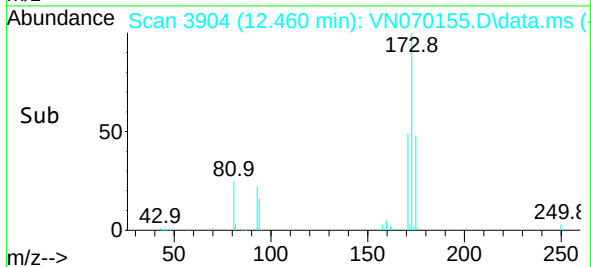
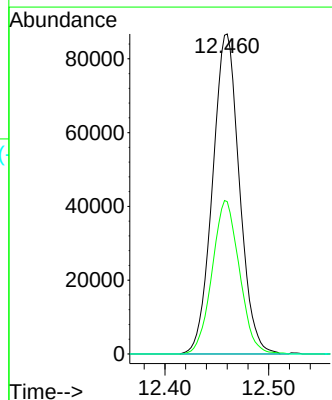
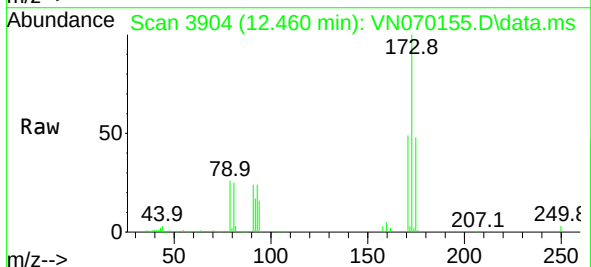
Manual Integrations
APPROVED

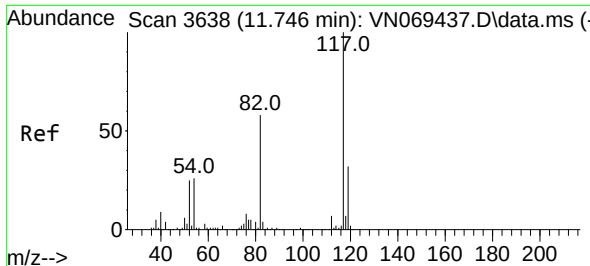
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#56
Bromoform
Concen: 13.655 ug/l
RT: 12.460 min Scan# 3904
Delta R.T. 0.003 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

Tgt Ion:173 Resp: 155720
Ion Ratio Lower Upper
173 100
175 48.7 38.6 58.0
254 0.0 0.0 0.0





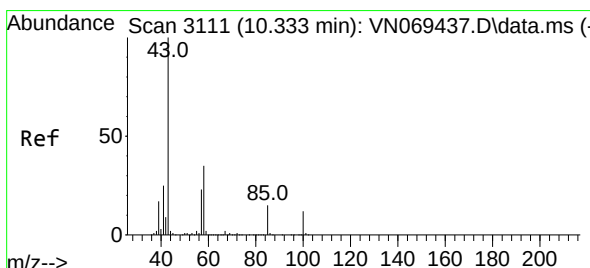
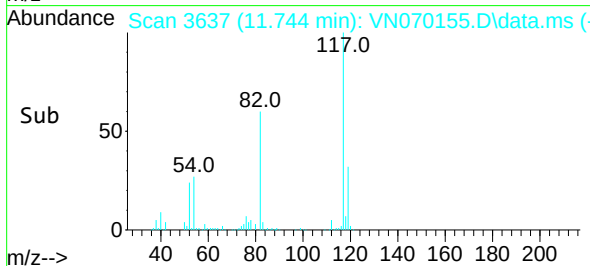
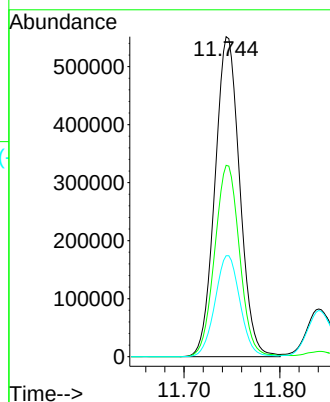
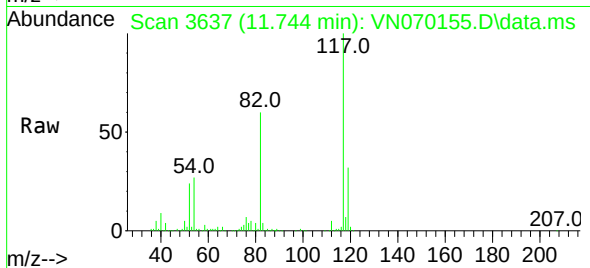
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.744 min Scan# 30
Delta R.T. 0.000 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:117 Resp: 98866
Ion Ratio Lower Upper
117 100
82 60.1 43.6 65.4
119 31.8 25.8 38.6

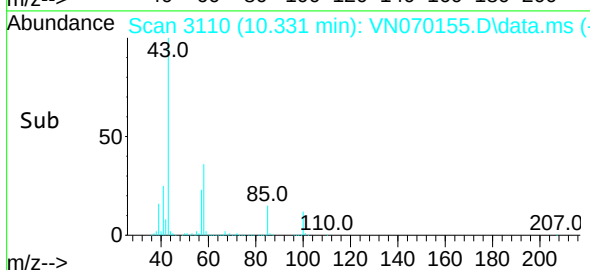
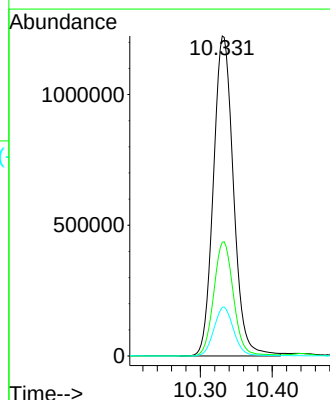
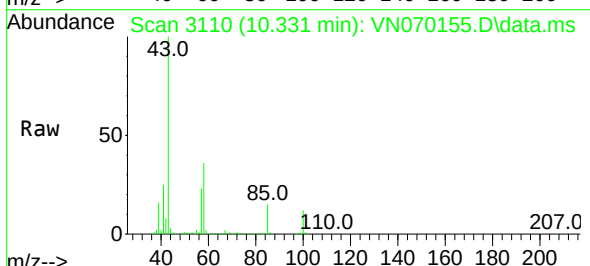
Manual Integrations
APPROVED

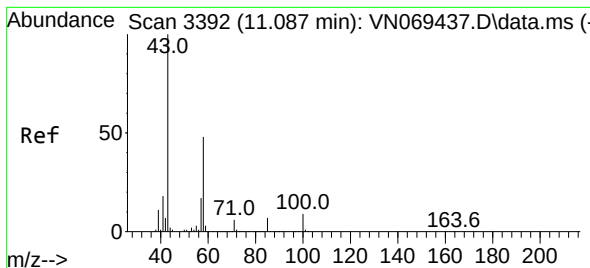
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#58
4-Methyl-2-Pentanone
Concen: 104.352 ug/l
RT: 10.331 min Scan# 3110
Delta R.T. 0.000 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

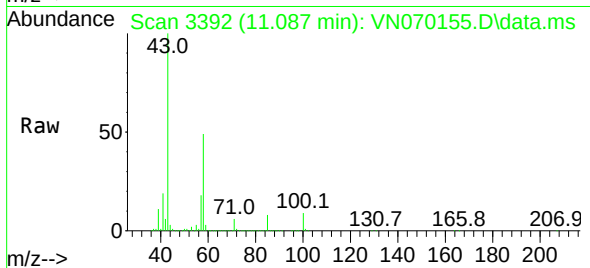
Tgt Ion: 43 Resp: 2367936
Ion Ratio Lower Upper
43 100
58 35.2 30.0 45.0
85 15.2 15.0 22.6





#59
2-Hexanone
Concen: 110.736 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. 0.003 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

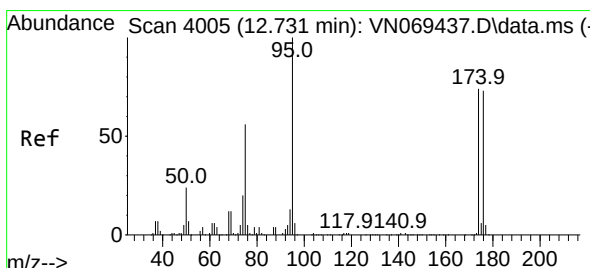
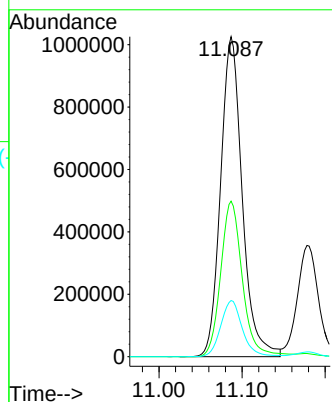
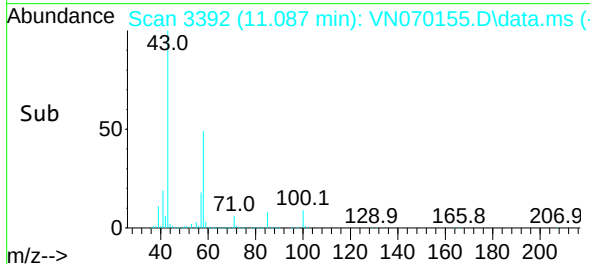
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion: 43 Resp: 1857690
Ion Ratio Lower Upper
43 100
58 48.8 42.2 63.2
57 17.6 15.0 22.4

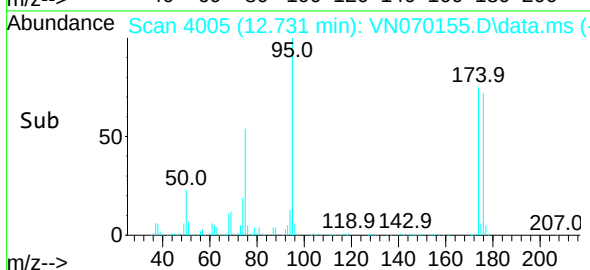
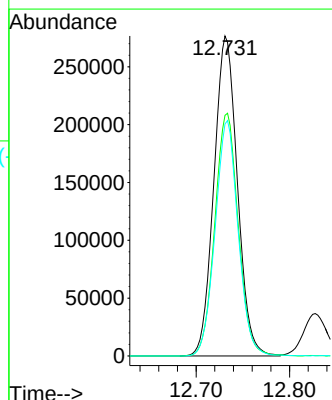
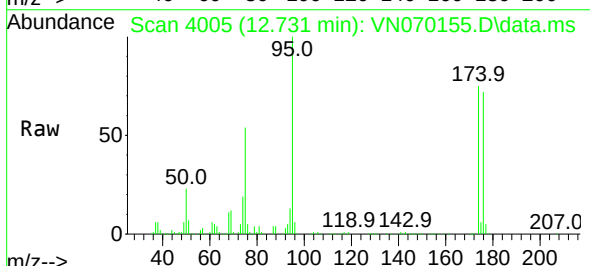
Manual Integrations
APPROVED

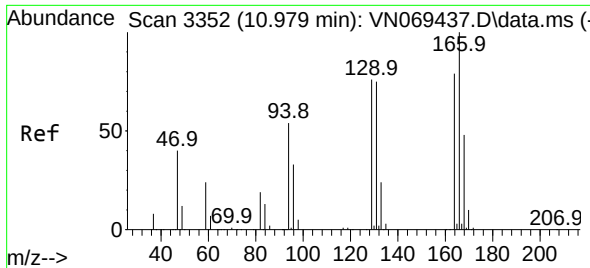
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#60
4-Bromofluorobenzene
Concen: 29.720 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.000 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

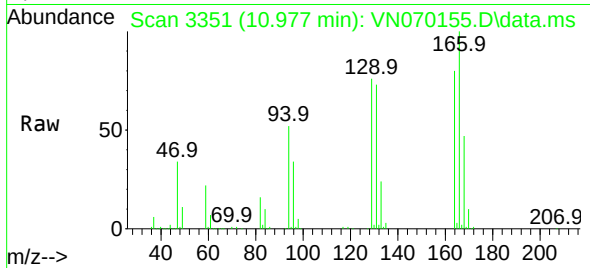
Tgt Ion: 95 Resp: 483490
Ion Ratio Lower Upper
95 100
174 75.7 62.9 94.3
176 72.0 61.0 91.4





#61
Tetrachloroethene
Concen: 18.728 ug/l
RT: 10.977 min Scan# 3175
Delta R.T. 0.000 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

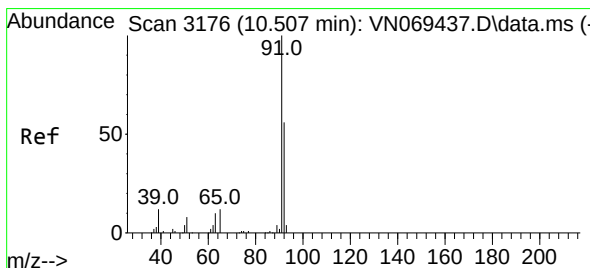
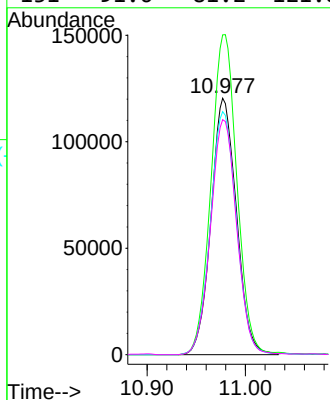
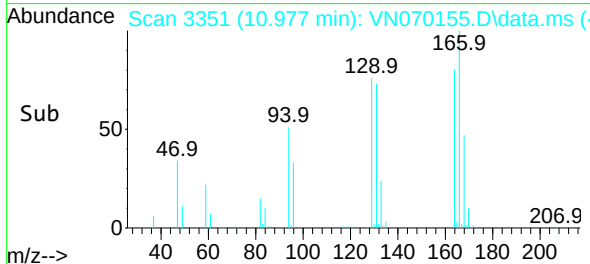
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:164 Resp: 216249
Ion Ratio Lower Upper
164 100
166 124.7 105.8 158.8
129 94.8 82.5 123.7
131 91.6 81.2 121.8

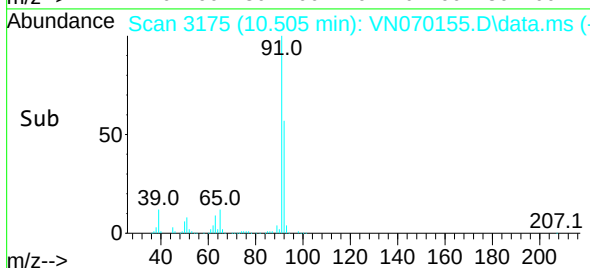
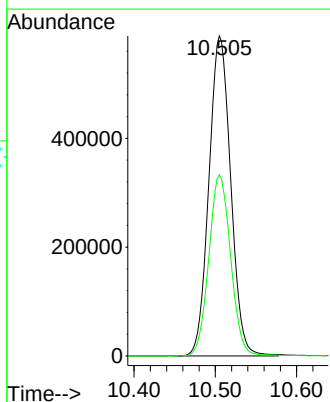
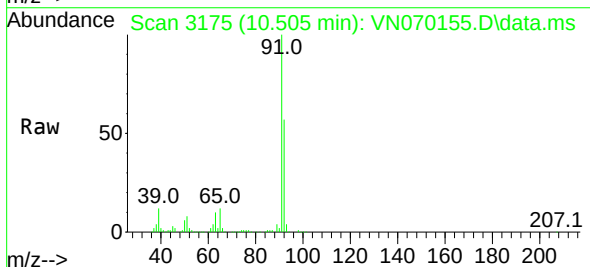
Manual Integrations
APPROVED

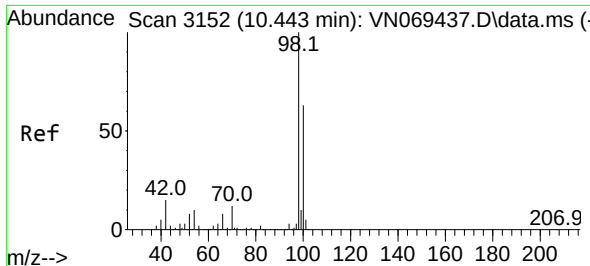
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#62
Toluene
Concen: 18.846 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. 0.000 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

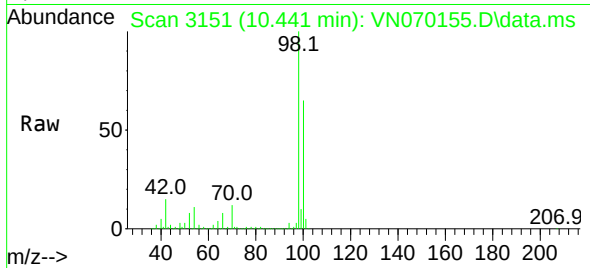
Tgt Ion: 91 Resp: 1095803
Ion Ratio Lower Upper
91 100
92 56.9 44.6 67.0





#63
Toluene-d8
Concen: 30.397 ug/l
RT: 10.441 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

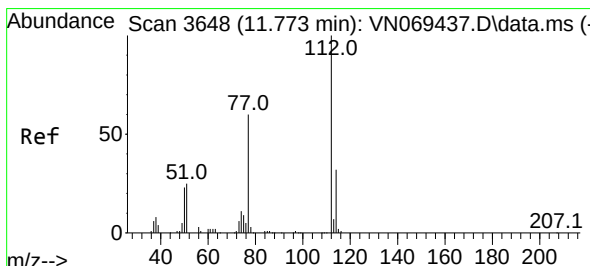
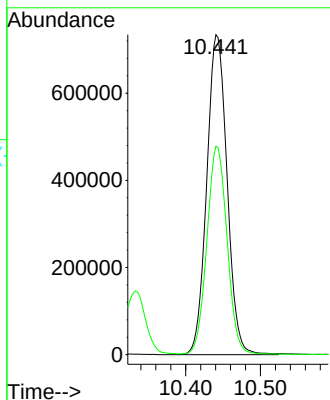
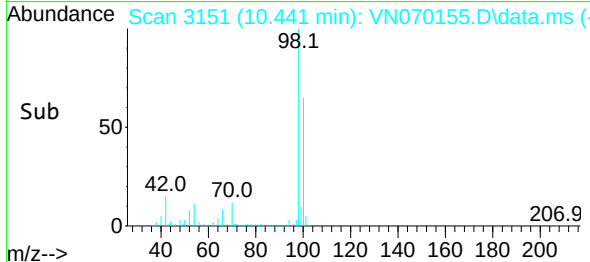
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



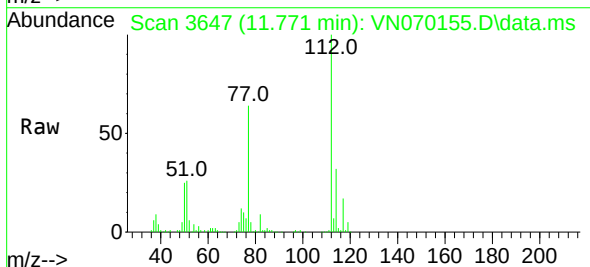
Tgt Ion: 98 Resp: 1388752
Ion Ratio Lower Upper
98 100
100 64.9 50.6 76.0

Manual Integrations
APPROVED

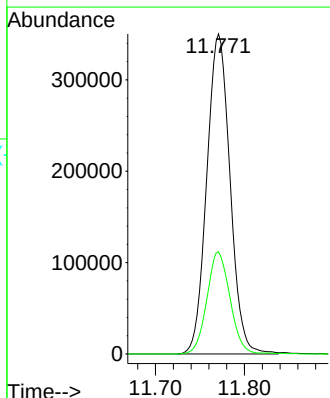
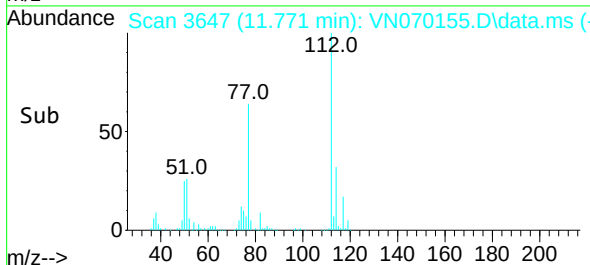
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021

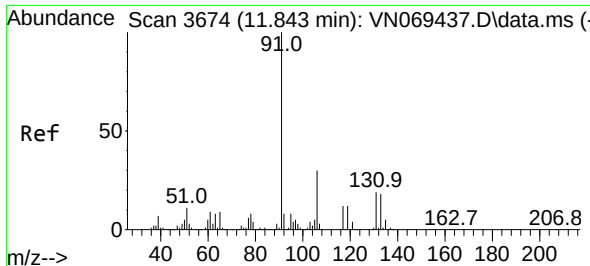


#64
Chlorobenzene
Concen: 18.440 ug/l
RT: 11.771 min Scan# 3647
Delta R.T. 0.000 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58



Tgt Ion:112 Resp: 636317
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.6





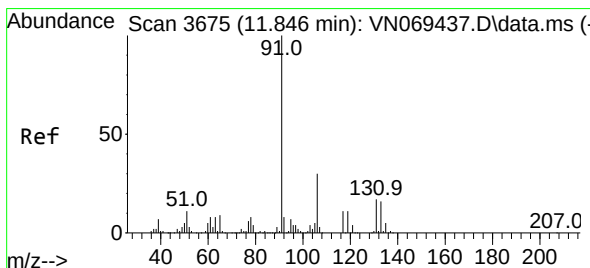
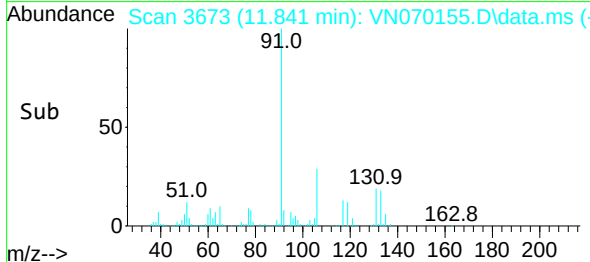
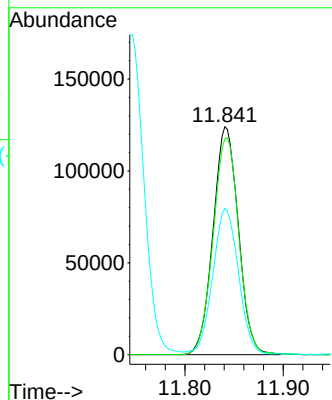
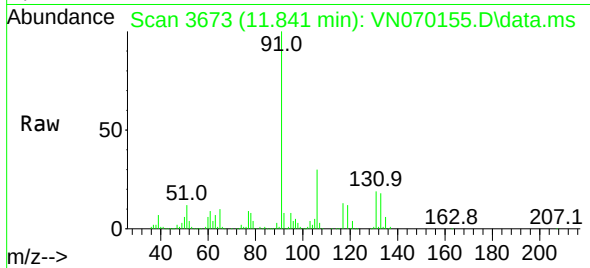
#65
1,1,1,2-Tetrachloroethane
Concen: 17.073 ug/l
RT: 11.841 min Scan# 3673
Delta R.T. 0.000 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:131 Resp: 22190
Ion Ratio Lower Upper
131 100
133 96.4 0.0 191.2
119 65.3 0.0 128.8

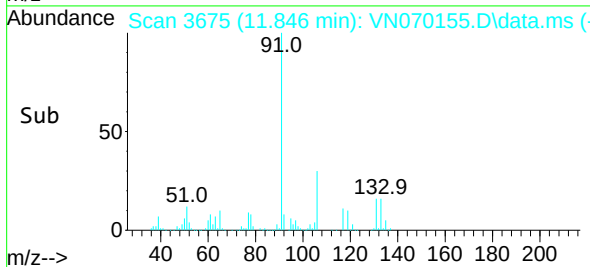
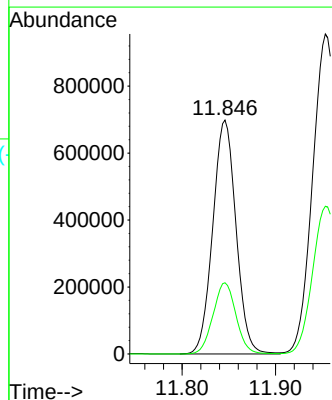
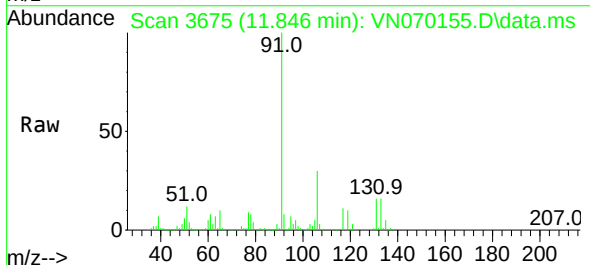
Manual Integrations
APPROVED

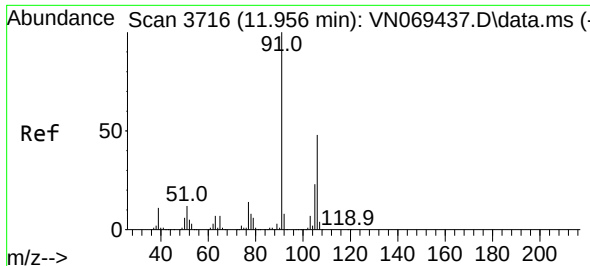
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#66
Ethyl Benzene
Concen: 18.683 ug/l
RT: 11.846 min Scan# 3675
Delta R.T. 0.003 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

Tgt Ion: 91 Resp: 1207703
Ion Ratio Lower Upper
91 100
106 30.4 24.0 36.0





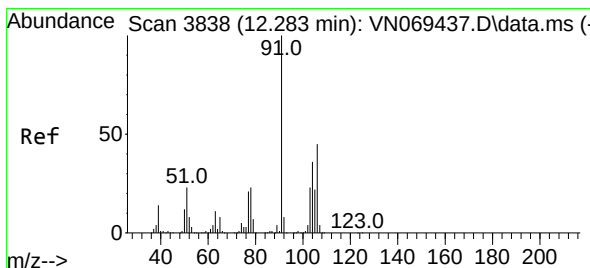
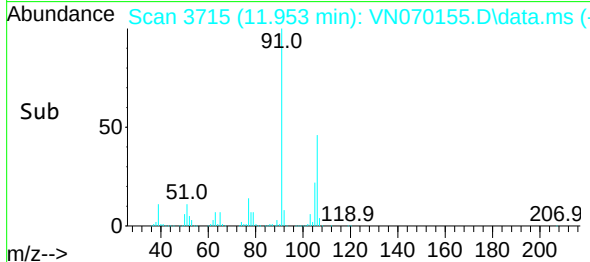
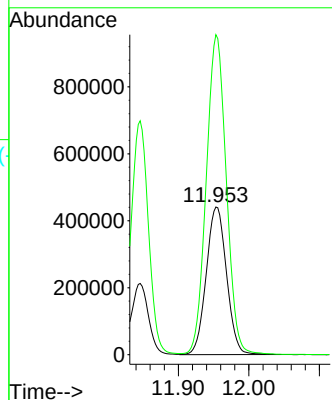
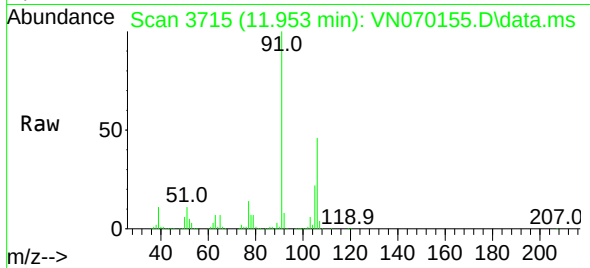
#67
m/p-Xylenes
Concen: 37.321 ug/l
RT: 11.953 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:106 Resp: 881384
Ion Ratio Lower Upper
106 100
91 214.0 162.9 244.3

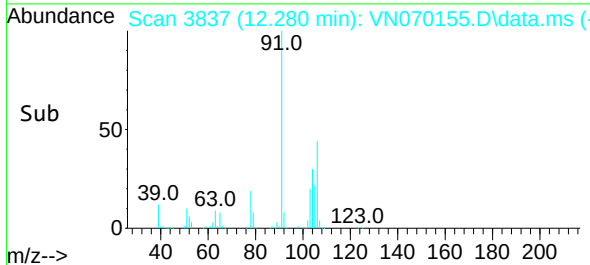
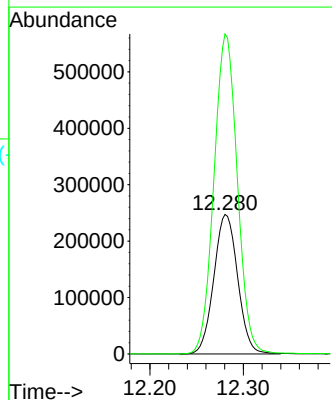
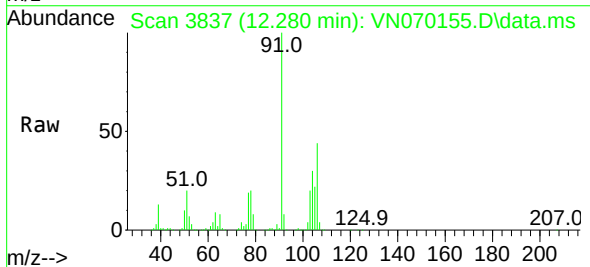
Manual Integrations
APPROVED

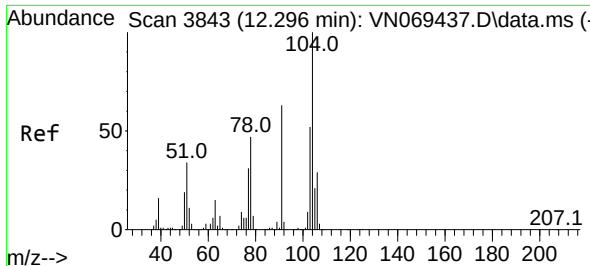
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#68
o-Xylene
Concen: 18.783 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. 0.000 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

Tgt Ion:106 Resp: 438894
Ion Ratio Lower Upper
106 100
91 225.0 107.7 323.1





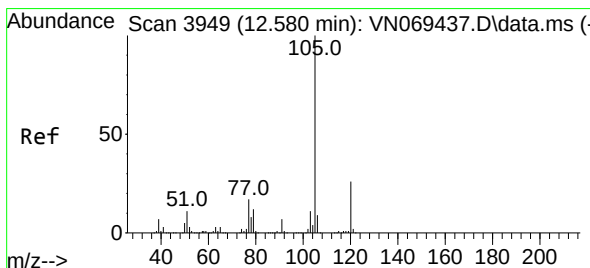
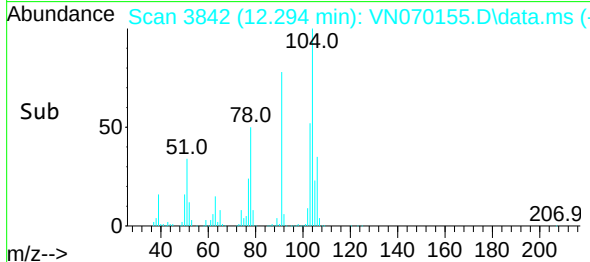
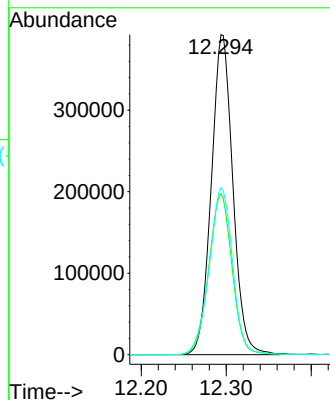
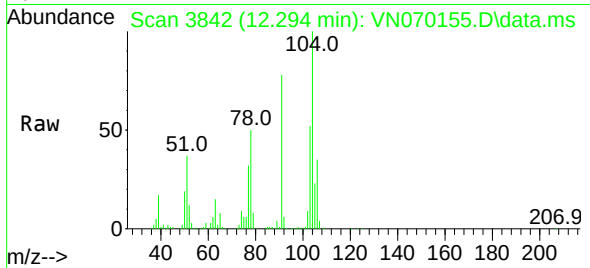
#69
Styrene
Concen: 18.187 ug/l
RT: 12.294 min Scan# 3843
Delta R.T. 0.000 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:104 Resp: 692650
Ion Ratio Lower Upper
104 100
78 54.6 40.7 61.1
103 56.2 45.8 68.8

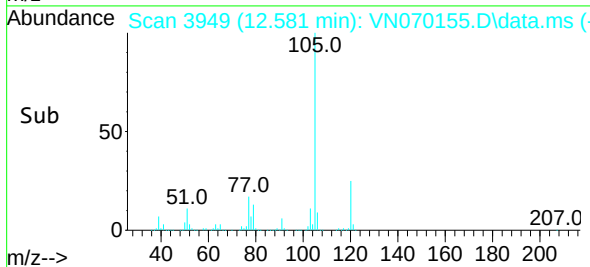
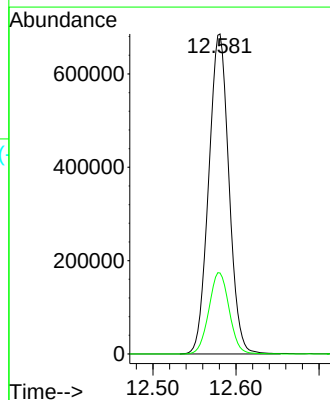
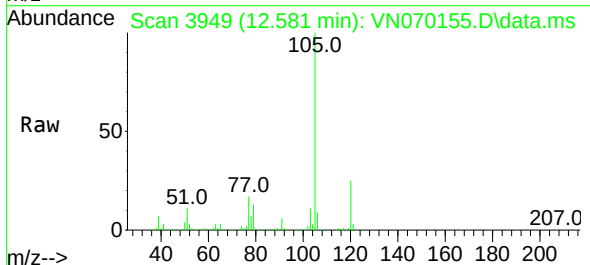
Manual Integrations
APPROVED

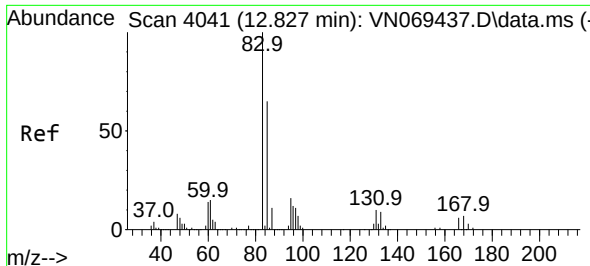
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#70
Isopropylbenzene
Concen: 18.904 ug/l
RT: 12.581 min Scan# 3949
Delta R.T. 0.003 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

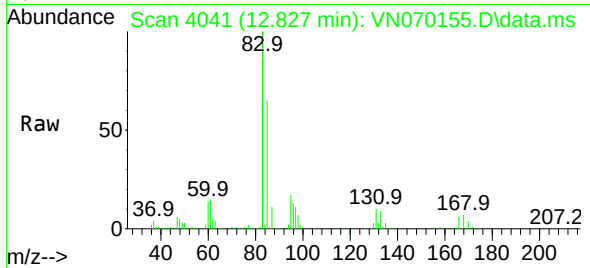
Tgt Ion:105 Resp: 1158973
Ion Ratio Lower Upper
105 100
120 25.5 18.3 34.1





#71
1,1,2,2-Tetrachloroethane
Concen: 19.307 ug/l
RT: 12.827 min Scan# 4041
Delta R.T. 0.000 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

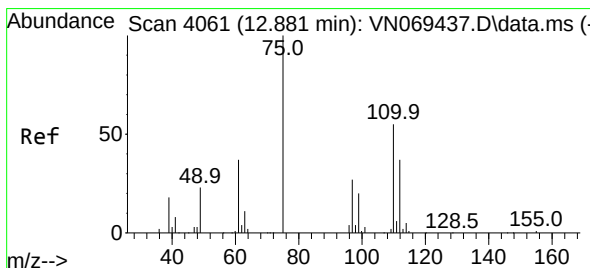
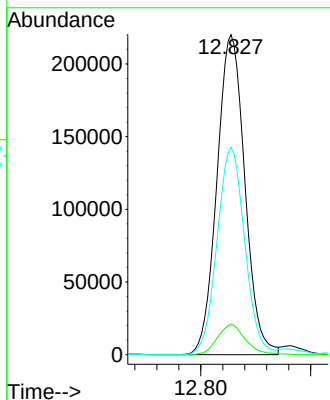
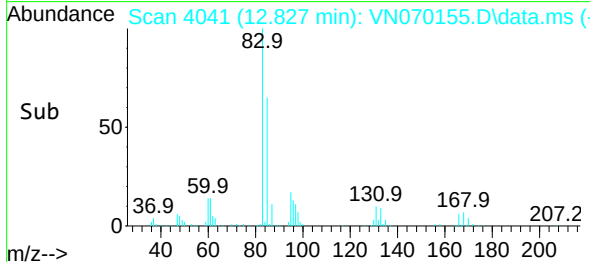
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



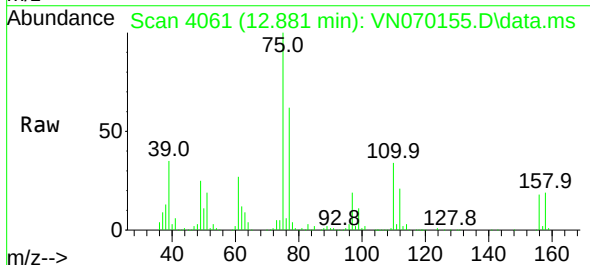
Tgt Ion: 83 Resp: 38821
Ion Ratio Lower Upper
83 100
131 9.5 5.1 15.3
85 64.2 33.1 99.2

Manual Integrations
APPROVED

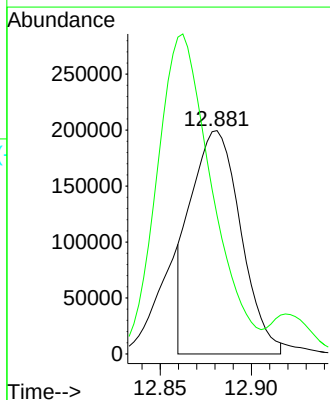
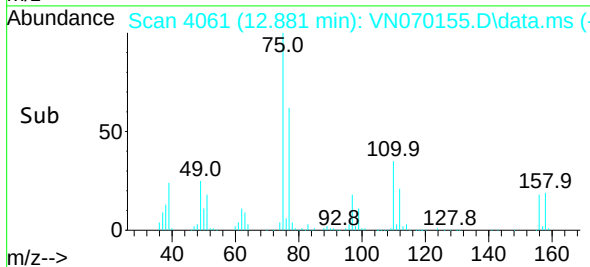
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021

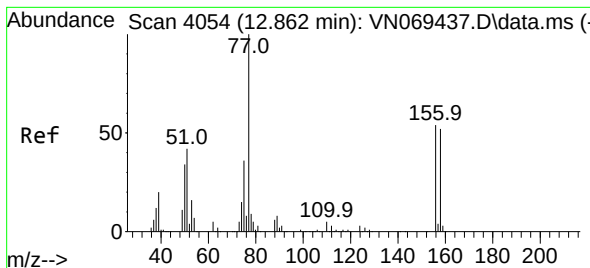


#72
1,2,3-Trichloropropane
Concen: 20.336 ug/l m
RT: 12.881 min Scan# 4061
Delta R.T. 0.000 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58



Tgt Ion: 75 Resp: 380516
Ion Ratio Lower Upper
75 100
77 157.7 0.0 378.0





#73

Bromobenzene

Concen: 18.229 ug/l

RT: 12.862 min Scan# 4054

Delta R.T. 0.003 min

Lab File: VN070155.D

Acq: 17 Dec 2021 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

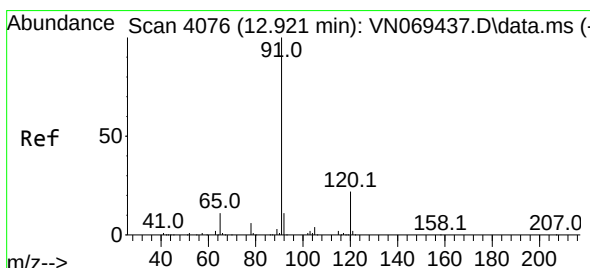
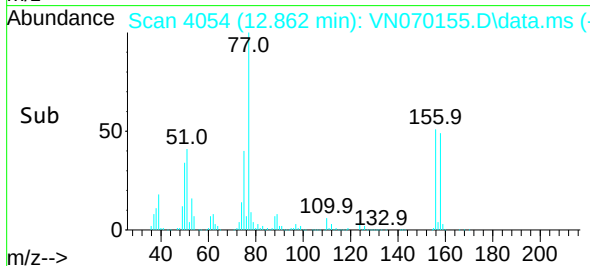
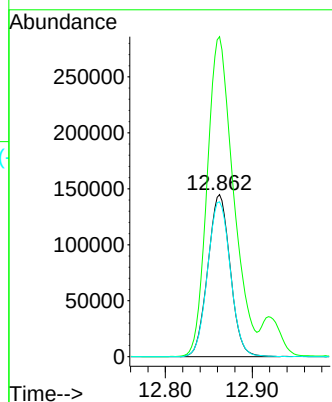
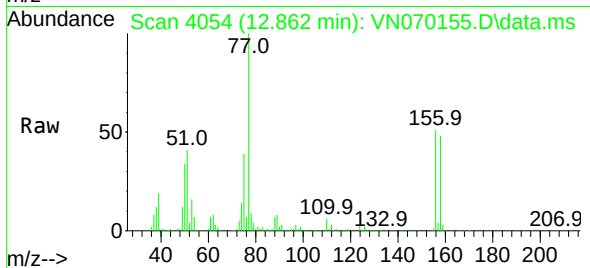
Tgt Ion:	156	Resp:	25936
Ion Ratio	Lower	Upper	
156	100		
77	231.4	0.0	416.0
158	97.8	0.0	195.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/18/2021

Supervised By :Mahesh Dadoda 12/23/2021



#74

n-propylbenzene

Concen: 18.301 ug/l

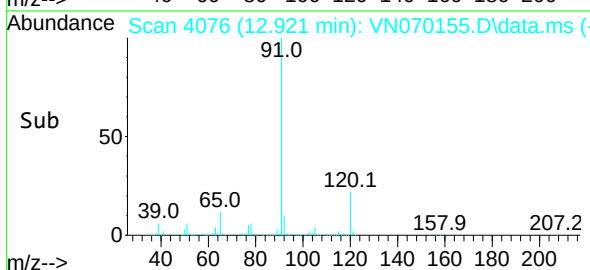
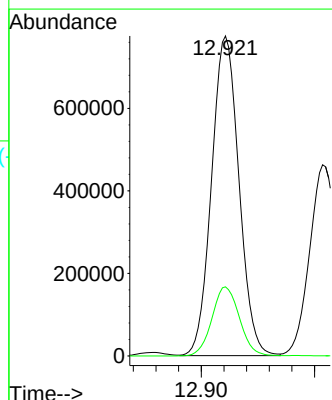
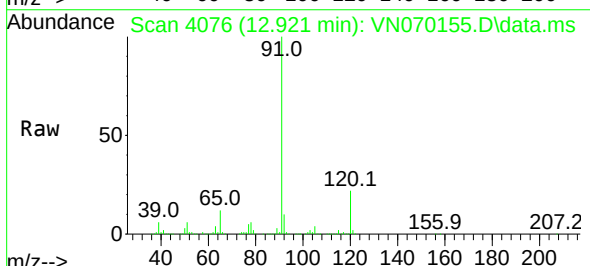
RT: 12.921 min Scan# 4076

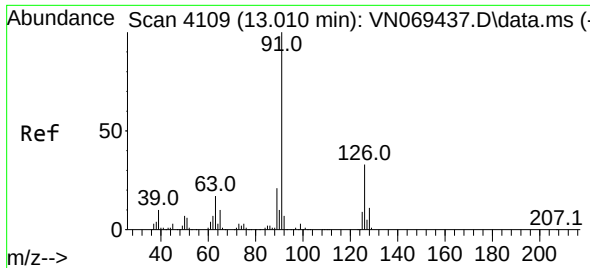
Delta R.T. 0.003 min

Lab File: VN070155.D

Acq: 17 Dec 2021 10:58

Tgt Ion:	91	Resp:	1300535
Ion Ratio	Lower	Upper	
91	100		
120	21.7	0.0	45.0





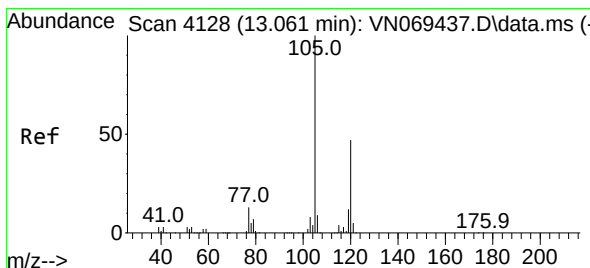
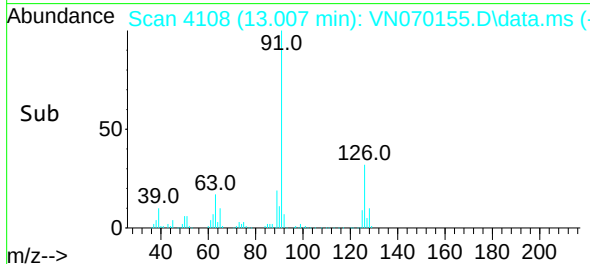
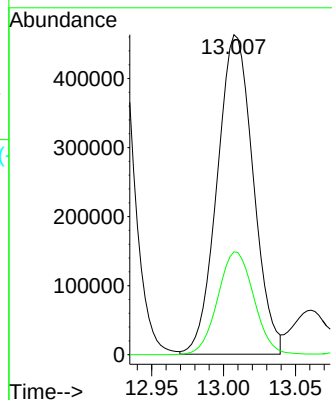
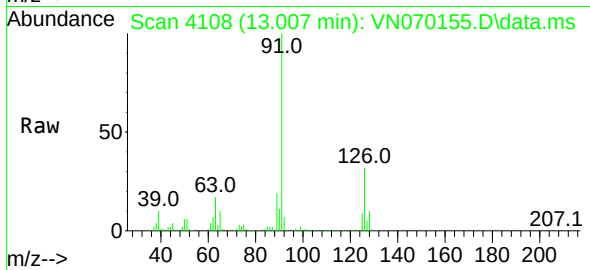
#75
2-Chlorotoluene
Concen: 18.557 ug/l
RT: 13.007 min Scan# 4109
Delta R.T. 0.000 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 806911
Ion Ratio Lower Upper
91 100
126 32.3 0.0 69.8

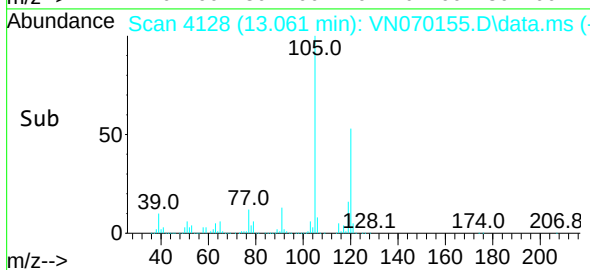
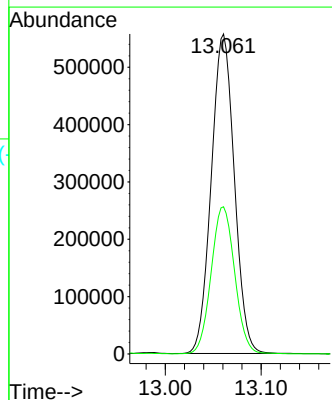
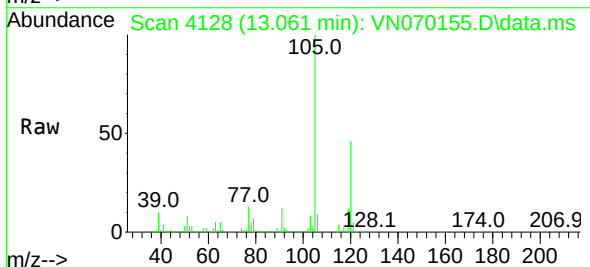
Manual Integrations
APPROVED

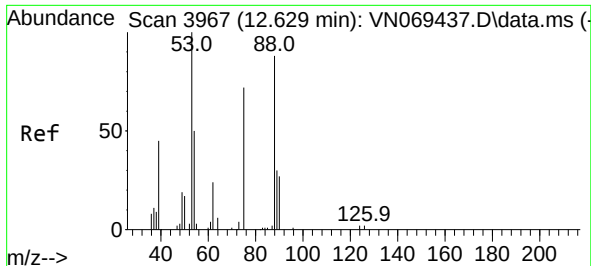
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#76
1,3,5-Trimethylbenzene
Concen: 18.480 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. 0.003 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

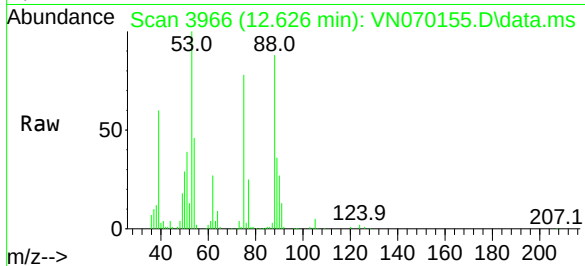
Tgt Ion:105 Resp: 930827
Ion Ratio Lower Upper
105 100
120 47.1 0.0 93.8





#77
t-1,4-Dichloro-2-butene
Concen: 15.798 ug/l
RT: 12.626 min Scan# 3967
Delta R.T. 0.003 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

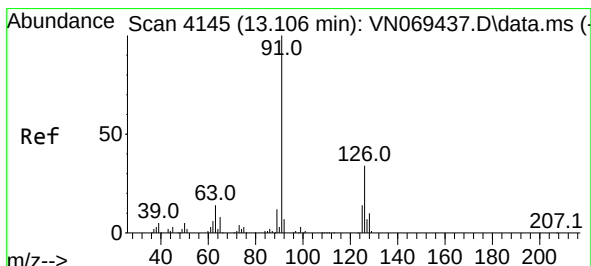
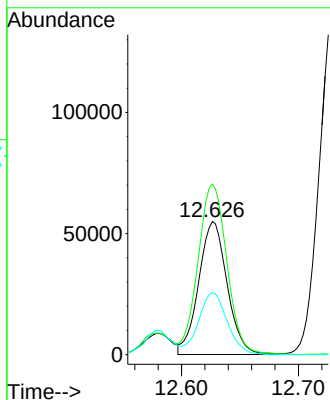
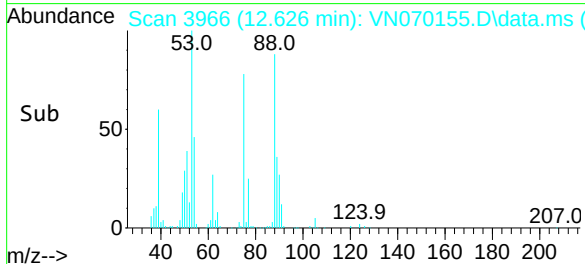
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



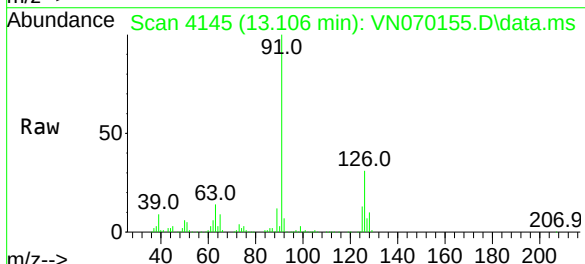
Tgt Ion: 75 Resp: 92952
Ion Ratio Lower Upper
75 100
53 128.4 51.8 155.5
89 47.0 22.9 68.7

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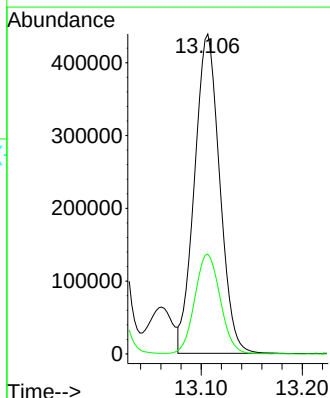
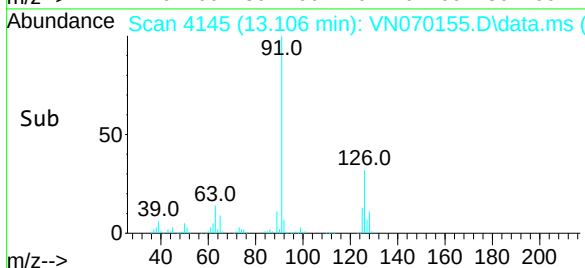
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021

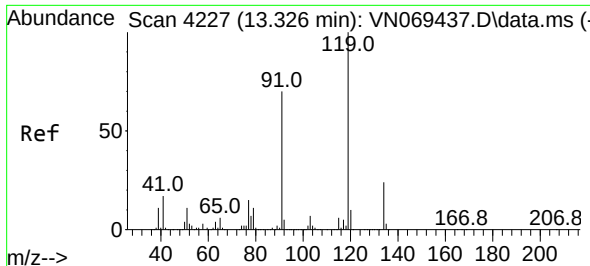


#78
4-Chlorotoluene
Concen: 18.212 ug/l
RT: 13.106 min Scan# 4145
Delta R.T. 0.003 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58



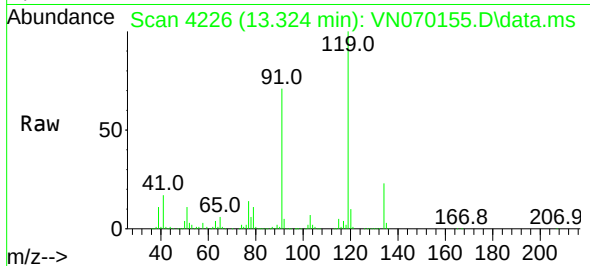
Tgt Ion: 91 Resp: 759421
Ion Ratio Lower Upper
91 100
126 31.8 0.0 70.6





#79
tert-butylbenzene
Concen: 18.559 ug/l
RT: 13.324 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

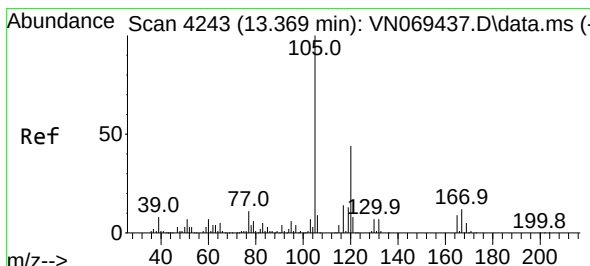
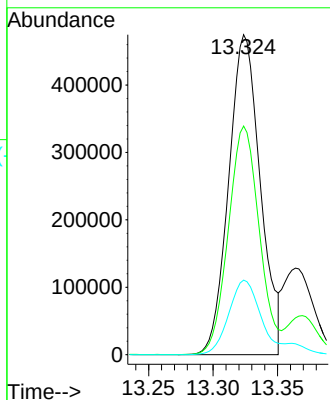
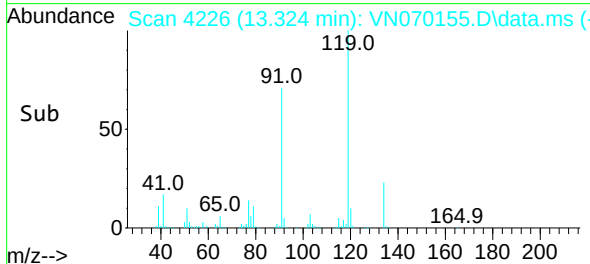
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



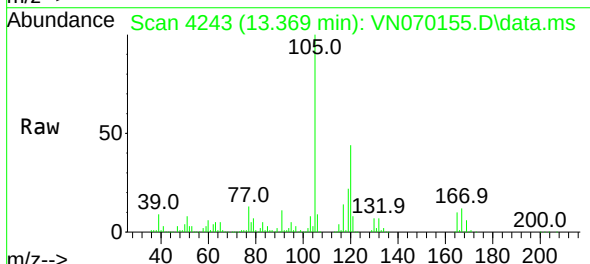
Tgt Ion:119 Resp: 81130
Ion Ratio Lower Upper
119 100
91 70.1 0.0 137.0
134 23.7 0.0 47.6

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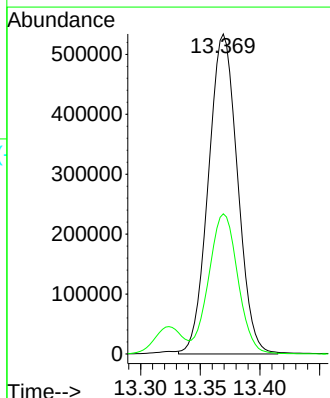
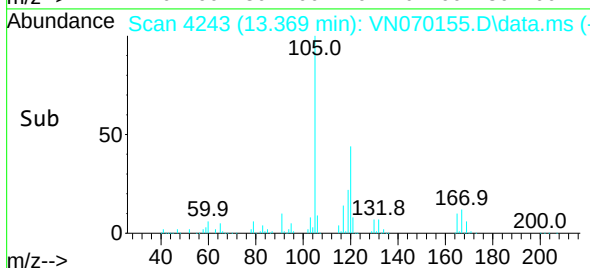
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021

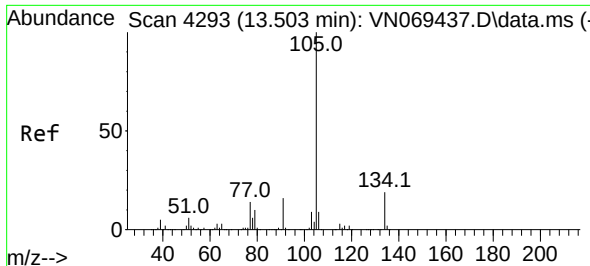


#80
1,2,4-Trimethylbenzene
Concen: 18.612 ug/l m
RT: 13.369 min Scan# 4243
Delta R.T. 0.000 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58



Tgt Ion:105 Resp: 906554
Ion Ratio Lower Upper
105 100
120 0.2 0.0 0.2#





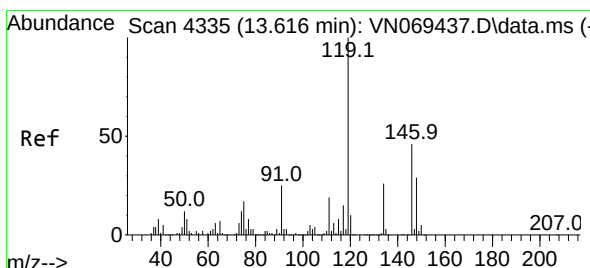
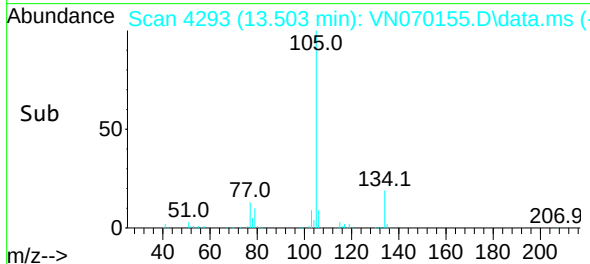
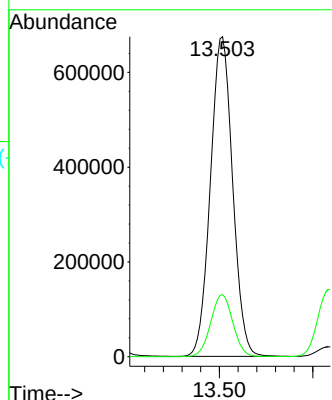
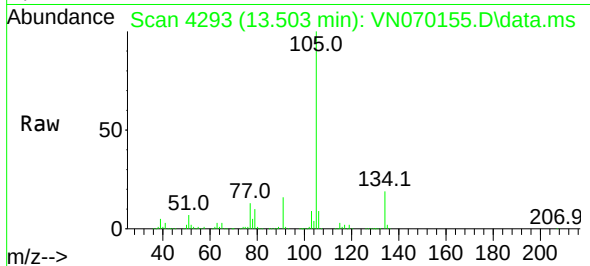
#81
 sec-Butylbenzene
 Concen: 18.224 ug/l
 RT: 13.503 min Scan# 4293
 Delta R.T. 0.003 min
 Lab File: VN070155.D
 Acq: 17 Dec 2021 10:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion:105 Resp: 111162
 Ion Ratio Lower Upper
 105 100
 134 19.4 0.0 39.4

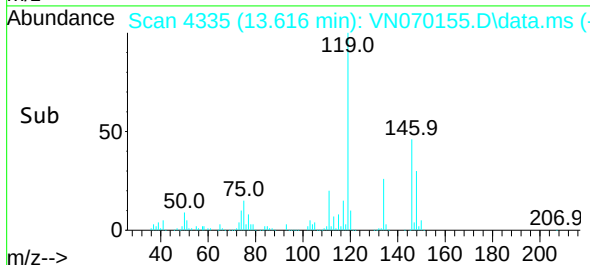
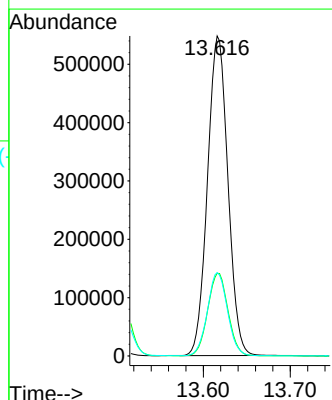
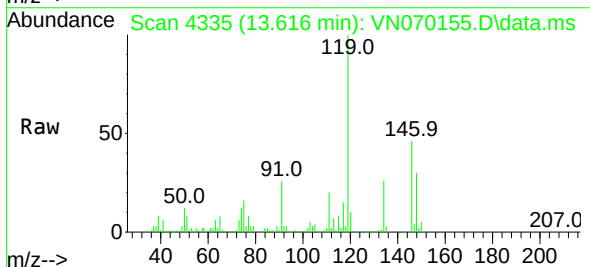
Manual Integrations
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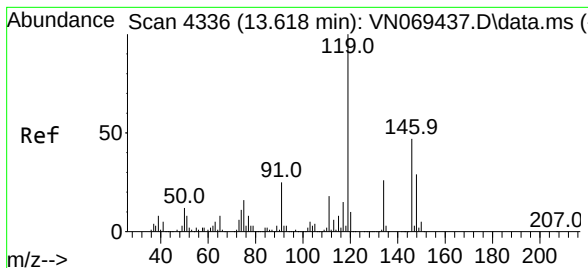
Reviewed By :John Carlone 12/18/2021
 Supervised By :Mahesh Dadoda 12/23/2021



#82
 p-Isopropyltoluene
 Concen: 18.384 ug/l
 RT: 13.616 min Scan# 4335
 Delta R.T. 0.000 min
 Lab File: VN070155.D
 Acq: 17 Dec 2021 10:58

Tgt Ion:119 Resp: 893407
 Ion Ratio Lower Upper
 119 100
 134 25.6 0.0 51.8
 91 25.6 0.0 50.4





#83

1,3-Dichlorobenzene

Concen: 18.282 ug/l

RT: 13.616 min Scan# 4336

Delta R.T. 0.000 min

Lab File: VN070155.D

Acq: 17 Dec 2021 10:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

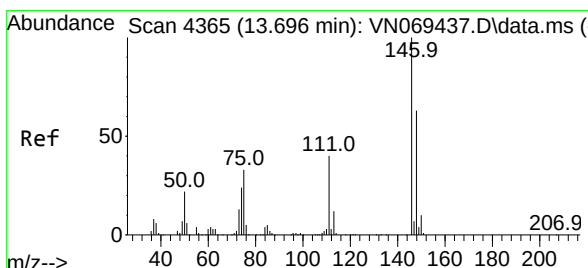
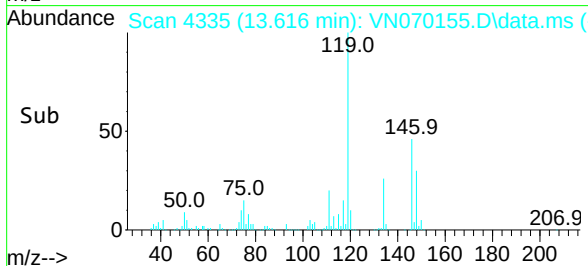
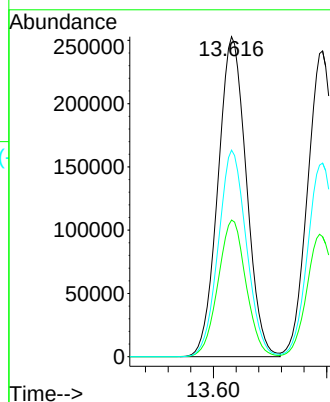
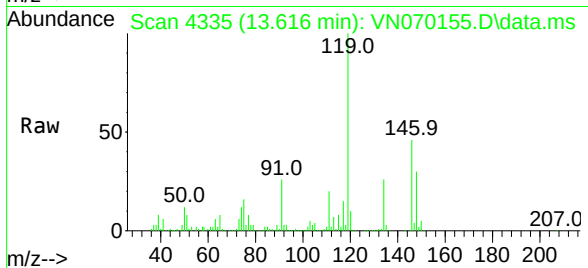
Tgt Ion:146 Resp: 439917
 Ion Ratio Lower Upper
 146 100
 111 42.0 20.8 62.2
 148 64.0 31.4 94.3

Manual Integrations

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Reviewed By :John Carlone 12/18/2021

Supervised By :Mahesh Dadoda 12/23/2021



#84

1,4-Dichlorobenzene

Concen: 18.061 ug/l

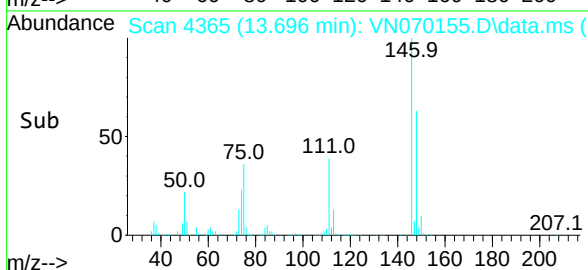
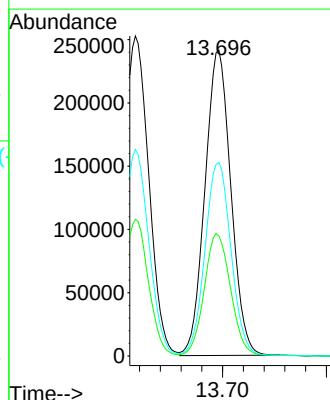
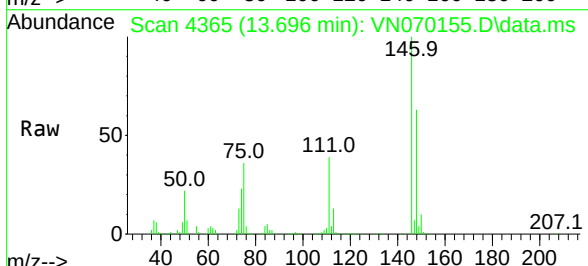
RT: 13.696 min Scan# 4365

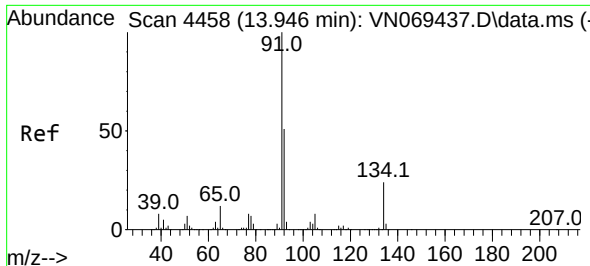
Delta R.T. 0.003 min

Lab File: VN070155.D

Acq: 17 Dec 2021 10:58

Tgt Ion:146 Resp: 418055
 Ion Ratio Lower Upper
 146 100
 111 40.8 19.5 58.5
 148 63.9 31.1 93.5





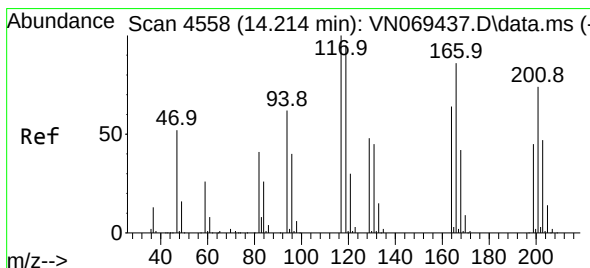
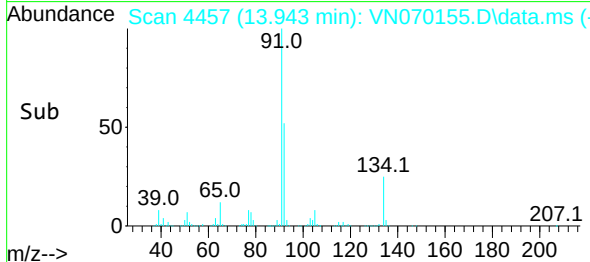
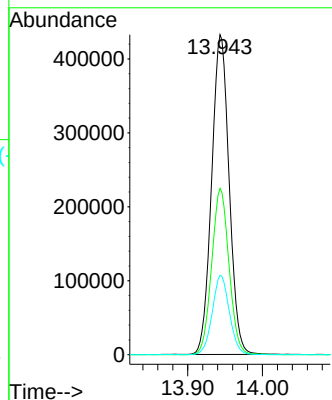
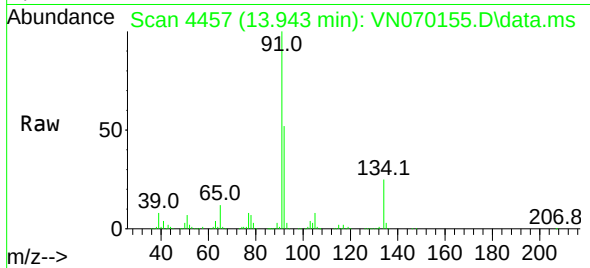
#85
n-Butylbenzene
Concen: 17.301 ug/l
RT: 13.943 min Scan# 4458
Delta R.T. 0.000 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 91 Resp: 702449
Ion Ratio Lower Upper
91 100
92 51.5 0.0 100.6
134 24.2 0.0 50.2

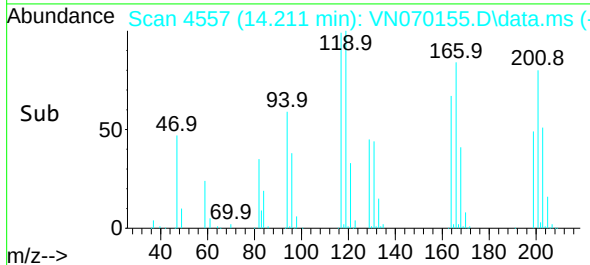
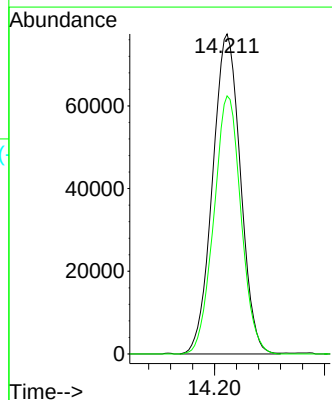
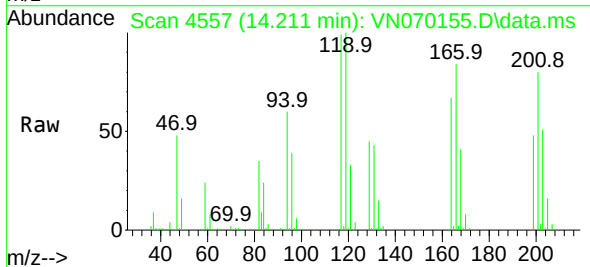
Manual Integrations
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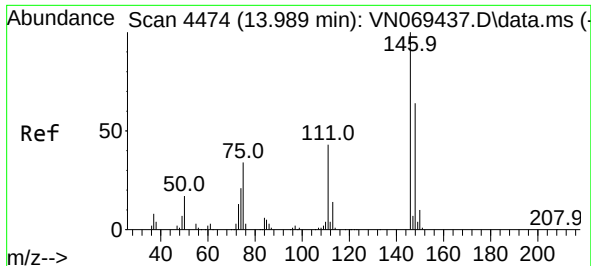
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#86
Hexachloroethane
Concen: 14.058 ug/l
RT: 14.211 min Scan# 4557
Delta R.T. 0.003 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

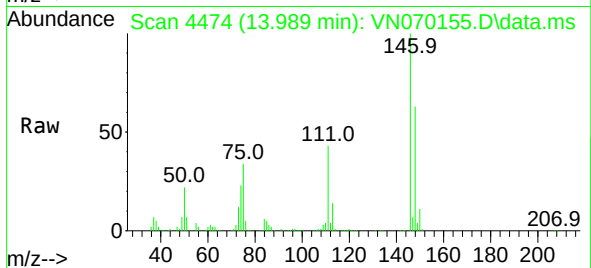
Tgt Ion:117 Resp: 136292
Ion Ratio Lower Upper
117 100
201 78.6 33.3 99.8





#87
1,2-Dichlorobenzene
Concen: 18.810 ug/l
RT: 13.989 min Scan# 4474
Delta R.T. 0.000 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

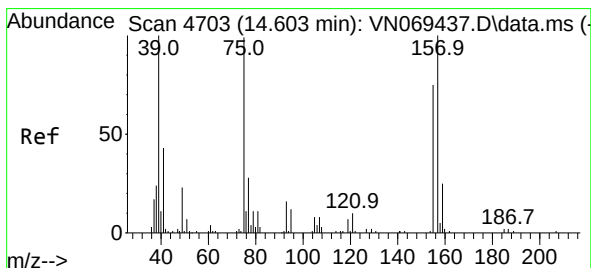
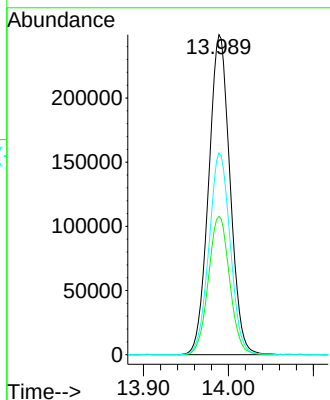
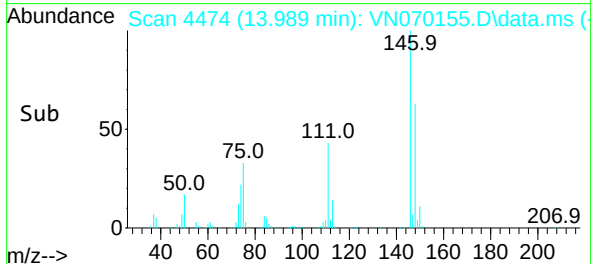
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



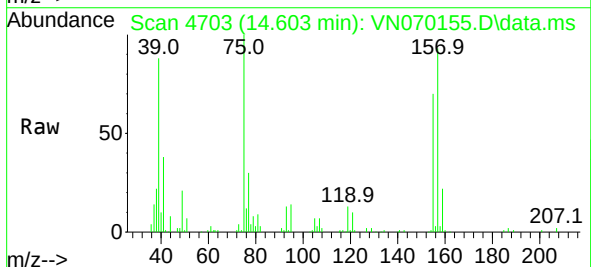
Tgt Ion:146 Resp: 43483
Ion Ratio Lower Upper
146 100
111 43.0 21.4 64.2
148 62.9 32.5 97.4

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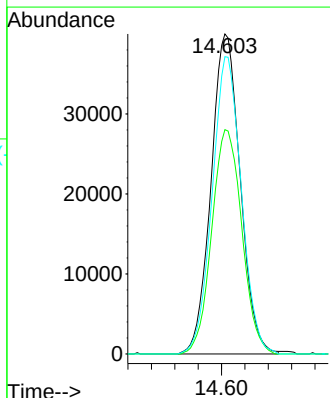
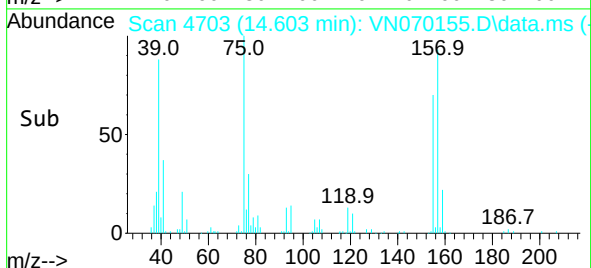
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021

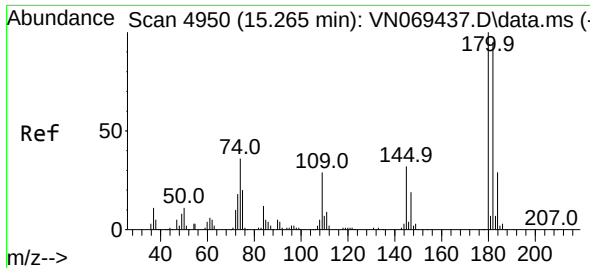


#88
1,2-Dibromo-3-Chloropropane
Concen: 18.046 ug/l
RT: 14.603 min Scan# 4703
Delta R.T. 0.000 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58



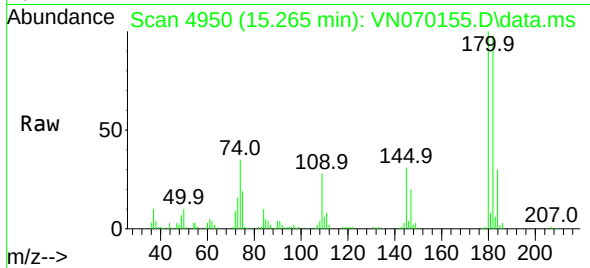
Tgt Ion: 75 Resp: 69411
Ion Ratio Lower Upper
75 100
155 72.1 63.8 95.8
157 92.7 77.9 116.9





#89
1,2,4-Trichlorobenzene
Concen: 19.199 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.003 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

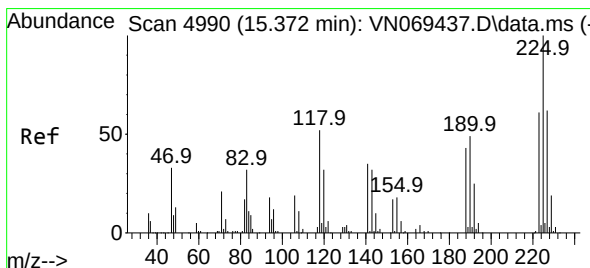
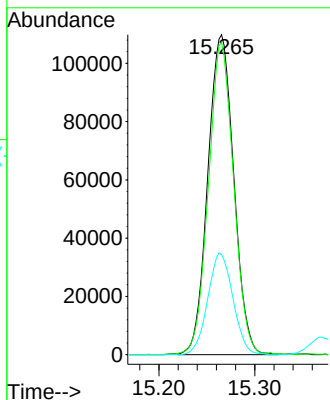
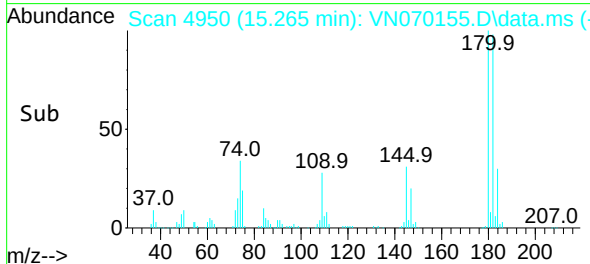
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



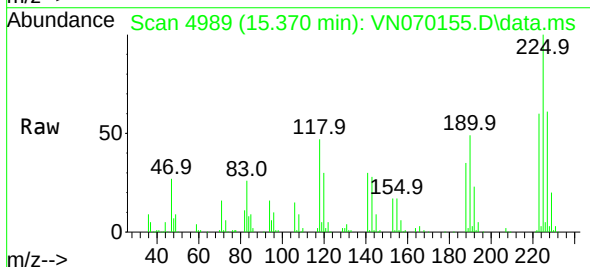
Tgt Ion:180 Resp: 206480
Ion Ratio Lower Upper
180 100
182 94.5 77.7 116.5
145 30.8 26.6 39.8

Manual Integrations
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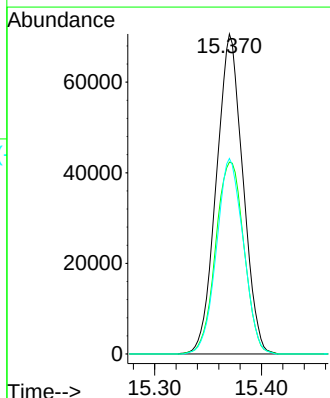
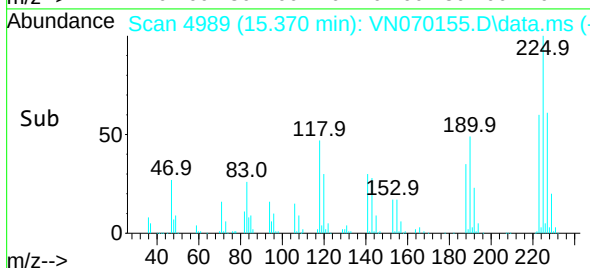
Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021

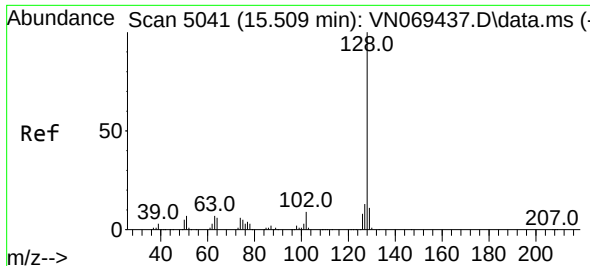


#90
Hexachlorobutadiene
Concen: 19.026 ug/l
RT: 15.370 min Scan# 4989
Delta R.T. 0.000 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58



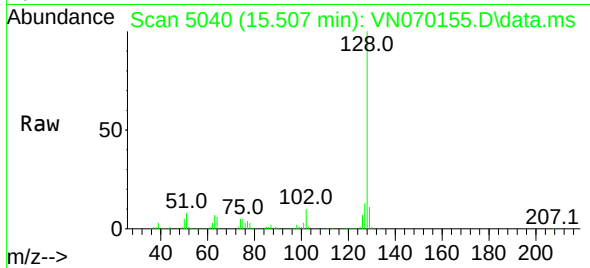
Tgt Ion:225 Resp: 121783
Ion Ratio Lower Upper
225 100
223 64.0 0.0 126.8
227 62.0 0.0 123.0





#91
Naphthalene
Concen: 23.107 ug/l
RT: 15.507 min Scan# 5041
Delta R.T. 0.003 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

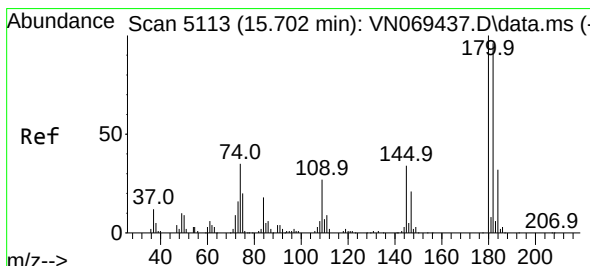
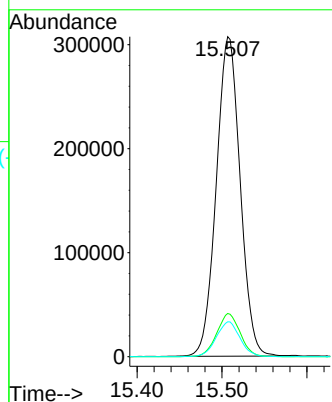
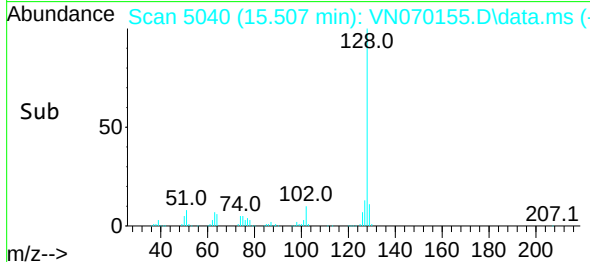
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020



Tgt Ion:128 Resp: 59937
Ion Ratio Lower Upper
128 100
127 13.3 10.7 16.1
129 10.9 9.0 13.6

Manual Integrations
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Reviewed By :John Carlone 12/18/2021
Supervised By :Mahesh Dadoda 12/23/2021



#92
1,2,3-Trichlorobenzene
Concen: 20.446 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. 0.000 min
Lab File: VN070155.D
Acq: 17 Dec 2021 10:58

Tgt Ion:180 Resp: 207752
Ion Ratio Lower Upper
180 100
182 97.1 0.0 190.0
145 33.6 0.0 67.8

